

NM1 - ____41__

**MONITORING
REPORT**

YEAR(S):

____2013-2016__

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



June 22, 2015

Mr. Daniel C. Berry
Lazy Ace Landfarm, LLC
P.O. Box 130
Eunice, NM 88231-0130

**RE: 2013-2014 Semi-Annual Sampling Vadose Zone Monitoring Results Review
Lazy Ace Landfarm, LLC
Permit NM1-041
Location: SW/2 SW/4 Section 22, Township 20 South, Range 34 East, NMPM
Lea County, New Mexico**

Dear Mr. Berry:

The Oil Conservation Division (OCD) has completed the review of Lazy Ace Landfarm, LLC's (Lazy Ace) June 2013 Semi-Annual Vadose Zone Monitoring Results; December 2013 Semi-Annual Vadose Zone Monitoring Results; June 2014 Semi-Annual Vadose Zone Monitoring Results; and the December 2014 Semi-Annual Vadose Zone Monitoring Results. The review of the 2013 and 2014 monitoring data has resulted in the discovery of some issues that must be addressed in order for Lazy Ace to remain compliant with Permit NM1-041 and Part 36.

OCD has reviewed the administrative files (OCD Online) for the facility and has been unable to locate the semi-annual treatment zone (soils to be remediated) monitoring required of 19.15.36.15.D NMAC. Pursuant to the transitional provisions of Part 36 (19.15.36.20.A NMAC), "Existing surface waste management facilities shall comply with the operational, waste acceptance and closure requirements provided in 19.15.36 NMAC, except as otherwise specifically provided in the applicable permit or order, or in a specific waiver, exception or agreement that the division has granted in writing to the particular surface waste management facility." In accordance with 19.15.36.15.D NMAC, "The operator shall collect and analyze at least one composite soil sample, consisting of four discrete samples, from the treatment zone at least semi-annually using the methods specified below for TPH and chlorides." As underlined in the above reference of Subsection D of 19.15.36.15 NMAC, the "methods specified below for TPH and chlorides" are those identified in Subsection F of 19.15.36.15 NMAC: such as "TPH, as determined by EPA method 418.1 or other EPA method approved by the division..." OCD is willing to accept an equivalent method to EPA Method 418.1 that is capable of demonstrating a carbon range from C₆ to C₃₆. Please review OCD's letter dated June 30, 2011 and titled "*Compliance with the Transitional Provisions of the Surface Waste Management Facilities rule (Rule 36) and Treatment and Vadose Monitoring Requirements at Existing Landfarms*" for

expectation of compliance. If the sampling has occurred, please provide OCD copies of the laboratory results to demonstrate compliance. If not, please initiate the required sampling and submit the results

In accordance with Paragraph (1) of 19.15.36.15.E NMAC, "The operator shall monitor the vadose zone beneath the treatment zone in each landfarm cell." Pursuant to Paragraph (3) of 19.15.36.15.E NMAC, "The operator shall collect and analyze a minimum of four randomly selected, independent samples from the vadose zone, using the methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC at least every five years and shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred." OCD has reviewed the administrative file and has been unable to locate the five year vadose zone monitoring program demonstration. Part 36 became effective February 14, 2007. The five year sampling event has been due since March 2012, please complete the demonstration. As underlined in the above reference of Paragraph (3) of 19.15.36.15.E NMAC, the "methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC" are those identified in Subsection F of 19.15.36.15 NMAC: such as "determined by EPA SW-846 methods 6010B or 6020 or other EPA method approved by the division..." Please perform the five year vadose zone monitoring program demonstration on all of the active landfarm cells and submit the sampling results and comparison to background and/or PQLs demonstrating compliance of Paragraph (3) of 19.15.36.15.E NMAC by EPA SW-846 methods 6010B or 6020.

OCD has reviewed the administrative files for the facility and determined that the vadose zone monitoring frequency changed from the permit condition "The soil samples will be analyzed using approved EPA methods for TPH and BTEX quarterly, and for major cations/anions and Water Quality Control Commission (WQCC) metals annually," to semi-annual in June 2010. The annual vadose zone sampling event by permit condition for the additional constituents of "for major cations/anions and Water Quality Control Commission (WQCC) metals annually," was last performed on Cells A-1, A-2, A-3, A-4, A-5 and X-1 on December 17, 2012. OCD also received results for Cell A-7 from an annual sampling event that occurred on January 29, 2013. OCD has been unable to locate Lazy Ace's submittal of a modification request for the change in sampling frequency or OCD's approval for such a modification request. Please provide OCD a copy of Lazy Ace's modification request submittal and OCD approval in order to continue the semi-annual sampling frequency. If Lazy Ace is unable to demonstrate the approval, Lazy Ace shall revert back to the permitted vadose zone monitoring frequency and constituents. Please note that the transitional provisions of 19.15.36.20 NMAC must be considered. Please review OCD's letter dated June 30, 2011 and titled "*Compliance with the Transitional Provisions of the Surface Waste Management Facilities rule (Rule 36) and Treatment and Vadose Monitoring Requirements at Existing Landfarms*" for expectation of compliance.

Please note that the submittal of vadose zone monitoring results alone does not constitute as a demonstration of compliance to the vadose zone monitoring assessment requirements. Pursuant to 19.15.36.15.E NMAC, the operator is required to compare the vadose results "to the higher of the PQL or the background soil concentrations to determine whether a release has occurred." OCD's review of the administrative files for the facility resulted in the discovery of the absence of the initial facility background data set which was required by permit, prior to acceptance of any waste. Pursuant to Condition 1, under the heading Treatment Zone Monitoring of the

September 2004 permit, "Prior to waste acceptance, one (1) background soil sample must be taken from the center portion of the landfarm two (2) feet below the native ground surface. The sample must be analyzed for total petroleum hydrocarbons (TPH), volatile aromatic organics (BTEX), major cations/anions and Water Quality Control Commission (WQCC) metals." Please provide OCD a copy of the initial background data set in order to demonstrate compliance to the conditions of Permit NM1-041.

Also, pursuant to the transitional provisions of Subsection B of 19.15.36.20 NMAC "Major modification of an existing surface waste management facility and a new landfarm cells constructed at an existing surface waste management facility shall comply with the requirements provided in 19.15.36 NMAC." Based upon OCD's review of the administrative file (OCD Online), the vadose zone monitoring results suggest that Cells A-5, A-6, and A-7 were activated after the effective date of February 14, 2007 for Part 36. The importance of the transitional provision is compliance to Subsection B of 19.15.36.15 NMAC. In accordance with Subsection B of 19.15.36.15 NMAC, "Background testing. Prior to beginning operation of a new landfarm or to opening a new cell at an existing landfarm at which the operator has not already established background, the operator shall take, at a minimum, 12 composite background soil samples, with each consisting of 16 discrete samples from areas that previous operations have not impacted at least six inches below the original ground surface, to establish background soil concentrations for the entire surface waste management facility. The operator shall analyze the background soil samples for TPH, as determined by EPA method 418.1 or other EPA method approved by the division; BTEX, as determined by EPA SW-846 method 8021B or 8260B; chlorides; and other constituents listed in Subsections A and B of 20.6.2.3103 NMAC, using approved EPA methods." The regulation has been in effect for eight years. At this point in time, the complete facility background should have been established. In order for Lazy Ace to proceed, the facility background need to be resolved. Currently, Lazy Ace does not have the complete background data to perform the vadose zone assessments (quarterly, annual, and 5-year) and remain in compliance with Part 36 and Permit NM1-041. Part 36 specifies EPA Method 418.1 as the required vadose zone analyses for TPH. OCD is willing to accept an equivalent method to EPA Method 418.1 that is capable of demonstrating a carbon range from C₆ to C₃₆ (e.g. Method 8015 for GRO/DRO/MRO or ORO). To remain compliant to Part 36 and the existing permit, background needs to be established and the vadose zone assessment comparison demonstrated to OCD. Please submit a background sampling plan to OCD under a separate cover, for OCD's consideration of approval to update the existing background data set (if available) or to establish a facility background/PQL data set and complete the vadose zone assessments.

Please note that the submittal of treatment zone monitoring results alone does not constitute a request for a successive/additional lift. The permit condition specifies "Authorization from the OCD must be obtained prior to application of successive lifts and/or removal of remediated soils." OCD requires such request to be made under a separate cover from other reporting and include the supporting analytical results and an updated facility map that illustrates and identifies the individual landfarm cells within the facility boundary and indicate the approximate location within the landfarm cells in which the samples were obtained.

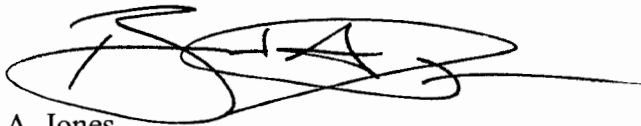
Please provide OCD copies of the treatment zone (soils to be remediated) laboratory results to demonstrate compliance of the semi-annual sampling required of 19.15.36.15.D NMAC within 45 days of the date of this letter and/or initiate the required sampling and submit the results.

Mr. Berry
Lazy Ace Landfarms LLC
Permit NM-1-041
June 22, 2015
Page 4 of 4

Please ensure that TPH is assessed by EPA method 418.1 or an equivalent method capable of demonstrating a carbon range from C₆ to C₃₆ for future demonstrations. Also, please submit all future vadose zone (native soils) sampling results demonstrating TPH by EPA Method 418.1 or an equivalent method capable of demonstrating a carbon range from C₆ to C₃₆. Please ensure that the laboratory's reporting limit does not exceed the established background and/or PQLs for all future vadose zone sampling events. Please provide OCD a copy of Lazy Ace's modification request and OCD approval in order to continue the semi-annual sampling frequency within 45 days of the date of this letter. Please perform the five year vadose zone monitoring program demonstration on all of the active landfarm cells and submit the sampling results and comparison to background and/or PQLs demonstrating compliance of Paragraph (3) of 19.15.36.15.E NMAC by EPA SW-846 methods 6010B or 6020 within 60 days of the date of this letter. Please provide OCD a copy of the initial laboratory data set required of Permit NM1-041 within 45 days of the date of this letter. Please submit a background sampling plan in accordance with Subsection B of 19.15.36.15 NMAC to OCD under a separate cover, for OCD's consideration of approval to update the existing background data set within 60 days of the date of this letter. If statistics are proposed in the demonstration, please provide references from EPA statistical guidance documents to support proposed statistical methods.

OCD has implemented some new policies for submittal. For future submittals, please include a cover letter from the owner/operator, on the owner's/operator's company letterhead, that recognizes the owner/operator has reviewed the submittal, signed by the owner/operator. Also, please provide an updated facility map, for each individual sampling event, that identifies the individual landfarm cells within the facility boundary and indicate the approximate location within the landfarm cells in which the samples were obtained. If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brad A. Jones', with a large, stylized flourish extending from the end of the signature.

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District I Office, Hobbs
Roxana Johnson, Arc Environmental, LLC, PO Box 1772, Lovington NM 88260

RECEIVED OGD

2015 APR 20 P 3: 52

Arc Environmental

Rozanne Johnson

P. O. Box 1772

Lovington, New Mexico 88260

(575) 631-9310

rozanne11@windstream.net

April 14, 2015

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



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

January 14, 2015

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 01/09/15 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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:	01/09/2015	Sampling Date:	12/31/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE - A (H500079-01)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.050	0.050	01/13/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.96	82.7	6.00	6.13	
Total BTX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.3 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	205	102	200	2.49	

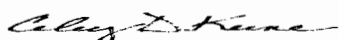
Surrogate: 1-Chlorooctane 84.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.2 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-1 VADOSE ZONE - B (H500079-02)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.050	0.050	01/13/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.96	82.7	6.00	6.13	
Total BTX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	205	102	200	2.49	

Surrogate: 1-Chlorooctane 84.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.6 % 52.1-176

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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:	01/09/2015	Sampling Date:	12/31/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE - C (H500079-03)

BTX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88		
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60		
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18		
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13		
Total BTX	<0.300	0.300	01/14/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 95.2 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/13/2015	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/12/2015	ND	209	105	200	3.44		
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	205	102	200	2.49		

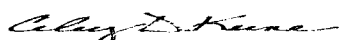
Surrogate: 1-Chlorooctane 89.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.4 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-1 VADOSE ZONE - D (H500079-04)
BTEX 8021B

mg/kg

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13	
Total BTEX	<0.300	0.300	01/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 93.6 % 61-154

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	205	102	200	2.49	

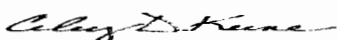
Surrogate: 1-Chlorooctane 86.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.6 % 52.1-176

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*=Accredited Analyte

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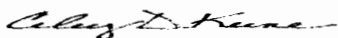
Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories*=**Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

101 East Marland - Hobbs New Mexico
88240
(575) 393-2326
(575) 393-2475

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

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

ANALYSIS REQUEST

(Circle or Specify Method No.)

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

Project #: Project Name: **Lazy Ace Landfarm**
Project Location: **T20S R34E Sec 22M ~ Lea County - New Mexico**
Sampler Signature: *Rozanne Johnson* (575) 631-8310
rozanne@valormet.com

LAB #	FIELD CODE	(G)rab or (Comp)	MATRIX				PRESERVATIVE METHOD				SAMPLING		
			WATER	SOIL	AIR	SLUDGE	HCL	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE (1-4oz jar)	NONE	DATE (2014)
1	Cell A-1 Vadose Zone-A	G	1	X							X	12/31	7:00
2	Cell A-1 Vadose Zone-B	G	1	X							X	12/31	7:25
3	Cell A-1 Vadose Zone-C	G	1	X							X	12/31	7:40
4	Cell A-1 Vadose Zone-D	G	1	X							X	12/31	8:00
LAB USE ONLY													
79													
1500076													

Received By:	Date:	Time:
<i>Rozanne Johnson</i>	1-9-2015	16:15

Received By: (Laboratory Staff)	Date:	Time:
<i>Rozanne Johnson</i>	1-9-2015	16:16

Sample Condition	Copied	Intact	Checked By:
Yes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>Rozanne Johnson</i>
No	<input type="checkbox"/>	<input type="checkbox"/>	

Delivered By: (Circle One)	Sampler
UPS	<input checked="" type="checkbox"/>
Bus	<input type="checkbox"/>
Other	<input type="checkbox"/>

2.82

54

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 ₄ , CO ₃ , HCO ₃)	
Total Dissolved Solids	
Chlorides	
Turn Around Time ~ 24 Hours	

REMARKS:

Email Results to: rozanne@valormet.com



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

January 14, 2015

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 01/09/15 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-2 VADOSE ZONE - A (H500080-01)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13	
Total BTX	<0.300	0.300	01/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.1 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	205	102	200	2.49	

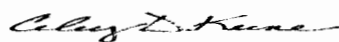
Surrogate: 1-Chlorooctane 82.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.2 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-2 VADOSE ZONE - B (H500080-02)

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13	
Total BTX	<0.300	0.300	01/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	205	102	200	2.49	

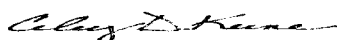
Surrogate: 1-Chlorooctane 87.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.5 % 52.1-176

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: 01/09/2015
 Reported: 01/14/2015
 Project Name: LAZY ACE LANDFARM
 Project Number: NONE GIVEN
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 12/31/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A-2 VADOSE ZONE - C (H500080-03)

BTEX 80218		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13	
Total BTEX	<0.300	0.300	01/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PII) 95.4 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: M5						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	205	102	200	2.49	

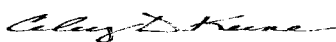
Surrogate: 1-Chlorooctane 93.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.6 % 52.1-176

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: 01/09/2015
 Reported: 01/14/2015
 Project Name: LAZY ACE LANDFARM
 Project Number: NONE GIVEN
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 12/31/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A-2 VADOSE ZONE - D (H500080-04)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88		
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60		
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18		
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13		
Total BTEx	<0.300	0.300	01/14/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 94.4 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	205	102	200	2.49	

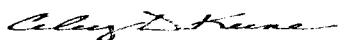
Surrogate: 1-Chlorooctane 82.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 83.7 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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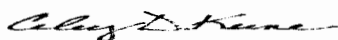
Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories*=**Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

101 East Marland - Hobbs New Mexico
88240
(575) 393-2326
(575) 393-2478
Tel
Fax

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

Address

Project Manager

Danny Berry

Address: (Street City Zip)

P O Box 180 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)831-8310

rozanne@valornet.com

LAB #

LAB USE ONLY

FIELD CODE

15001980

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2014)

TIME

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

Received by:

Date: Time:

Received By: (Laboratory Staff)

Date: Time:

Relinquished by:

Date: Time:

Relinquished by:

Date: Time:

Phone Results

Yes

No

Additional Fax Number

Yes

No

Delivered By: (Circle One)

2.80

Sample Condition

Cool

Intact

Checked By:

1-9-2015 10:16

Remarks:

Email Results to:

rozanne@valornet.com

Sampler - UPS - Bus - Other:

#54



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

January 14, 2015

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 01/09/15 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-3 VADOSE ZONE - A (H500081-01)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88		
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60		
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18		
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13		
Total BTEX	<0.300	0.300	01/14/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 94.5 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

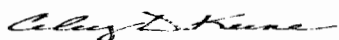
Surrogate: 1-Chlorooctane 81.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 81.3 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-3 VADOSE ZONE - B (H500081-02)

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13	
Total BTEX	<0.300	0.300	01/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.9 % 61-154

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

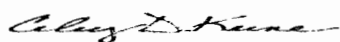
Surrogate: 1-Chlorooctane 76.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 76.7 % 52.1-176

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: 01/09/2015
 Reported: 01/14/2015
 Project Name: LAZY ACE LANDFARM
 Project Number: NONE GIVEN
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 12/31/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A-3 VADOSE ZONE - C (H500081-03)

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13	
Total BTEX	<0.300	0.300	01/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 93.9 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

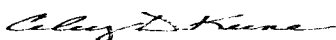
Surrogate: 1-Chlorooctane 91.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.2 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-3 VADOSE ZONE - D (H500081-04)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2015	ND	1.73	86.5	2.00	5.88	
Toluene*	<0.050	0.050	01/14/2015	ND	1.69	84.7	2.00	5.60	
Ethylbenzene*	<0.050	0.050	01/14/2015	ND	1.64	82.1	2.00	6.18	
Total Xylenes*	<0.150	0.150	01/14/2015	ND	4.96	82.7	6.00	6.13	
Total BTX	<0.300	0.300	01/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.6 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

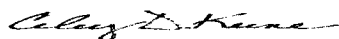
Surrogate: 1-Chlorooctane 86.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.3 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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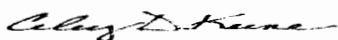
Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

ANALYSIS REQUEST
(Circle or Specify Method No.)

Page 7 of 7

Page

ANALYSIS REQUEST
(Circle or Specify Method No.)

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 #:

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

Sample Signature: Rozanne Johnson (575) 631-9310
rozanne@valornet.com

LAB USE ONLY
LAB #
FIELD CODE

Cell A-3 Vadose Zone-A
Cell A-3 Vadose Zone-B
Cell A-3 Vadose Zone-C
Cell A-3 Vadose Zone-D

(G)rab or (C)omp
CONTAINERS
WATER
SOIL
AIR
SLUDGE
HCL
HNO₃
NaHSO₄
H₂SO₄
ICE (1-4oz jar)
NONE
DATE (2014)
TIME

MTBE 8021B/602
BTX 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

Received by:
Date:
Time:

Received By: (Laboratory Staff)
Date:
Time:

Relinquished by:
Date:
Time:

Relinquished by: Rozanne Johnson
Date:
Time:

Delivered By: (Circle One)
Yes
No

Sample Condition
Cool
Liquor
Yes
No

CHECKED BY:
Date:
Time:

REMARKS:
Email Results to: rozanne@valornet.com

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



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

January 14, 2015

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 01/09/15 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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:	01/09/2015	Sampling Date:	12/31/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-4 VADOSE ZONE - A (H500082-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PII) 95.3 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

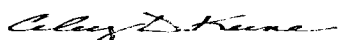
Surrogate: 1-Chlorooctane 89.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.6 % 52.1-176

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:	01/09/2015	Sampling Date:	12/31/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-4 VADOSE ZONE - B (H500082-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.2 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

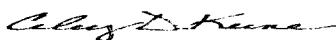
Surrogate: 1-Chlorooctane 89.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.1 % 52.1-176

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:	01/09/2015	Sampling Date:	12/31/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-4 VADOSE ZONE - C (H500082-03)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.1 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

Surrogate: 1-Chlorooctane 82.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.0 % 52.1-176

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:	01/09/2015	Sampling Date:	12/31/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-4 VADOSE ZONE-D (H500082-04)
BTEX 8021B
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.0 % 61-154

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

Surrogate: 1-Chlorooctane 76.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 78.3 % 52.1-176

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

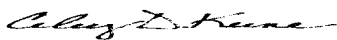
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

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

P O Box 160 Eunice, New Mexico 88231

Address (Street, City, Zip)

P O Box 160 Eunice, New Mexico 88231

Phone#

(575)369-5266

Fax#

(575)397-2267

Phone #

(575)369-5266

Project #

Project Name

Lazy Ace Landfarm

Project Location

T20S R34E Sec 22M ~ Lea County -New Mexico

Sample Signature

Rozanne Johnson (575)631-8310
rozanne@valornet.com

LAB #

LAB USE ONLY

FIELD CODE

Acceler 82

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2014)

TIME

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

Relinquished by

Date: Time:

Received by

Date: Time:

Relinquished by

Date: Time:

Received By: (Laboratory Staff)

Date: Time:

Delivered By: (Circle One)

Sample Condition

CHECKED BY

Sampler - UPS - Bus - Other:

2.80

Yes

No

Cool

Yes

No

Intact

(Imp)

Yes

No

REMARKS:

Email Results to: rozanne@valornet.com

Phone Results

Yes

No

Additional Fax Number:

Yes

No

#54

January 14, 2015

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 01/09/15 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

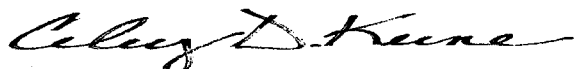
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



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:	01/09/2015	Sampling Date:	12/31/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-5 VADOSE - A (H500083-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.4 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

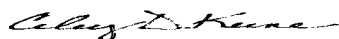
Surrogate: 1-Chlorooctane 93.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.2 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-5 VADOSE - B (H500083-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.6 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

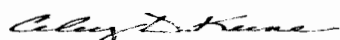
Surrogate: 1-Chlorooctane 94.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.5 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-5 VADOSE - C (H500083-03)
BTEX 8021B
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 61-154

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	209	105	200	3.44	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	205	102	200	2.49	

Surrogate: 1-Chlorooctane 83.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.6 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/31/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-5 VADOSE - D (H500083-04)
BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.7 % 61-154

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

Surrogate: 1-Chlorooctane 84.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.4 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

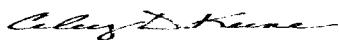
Notes and Definitions

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

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name
Lazy Ace Landfarm, LLC

BILL TO Company
Lazy Ace Landfarm, LLC

PO#

Project Manager

Address:

(Street, City, Zip)

Danny Berry

Address: (Street, City, Zip)

P. O. Box 160 Eunice, New Mexico 88231

Phone #:

(575)369-5266

Fax #:

(575)369-5266

Phone#

Fax#

(575)397-2267

Project #:

Project Name:

Lazy Ace Landfarm

Project Location

T20S R34E Sec 22M ~ Lea County -New Mexico

Sampler Signature:

Rozanne Johnson (575)831-9310
rozanne@valornet.com

LAB #

LAB USE ONLY

83

FIELD CODE

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2014)

TIME

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

ANALYSIS REQUEST

(Circle or Specify Method No.)

Relinquished by:

Date: Time:

Rozanne Johnson 1-9-2015 16:15

Received by:

Date: Time:

Phone Results

Yes

Additional Fax Number

Delivered by: (Circle One)

Sample Condition

Cool

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Sampler - UPS - Bus - Other:

2.80

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Email Results to: rozanne@valornet.com

#54



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

January 14, 2015

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 01/09/15 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-6 VADOSE - A (H500084-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

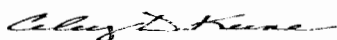
Surrogate: 1-Chlorooctane 89.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.7 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-6 VADOSE - B (H500084-02)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.2 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 801SM			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

Surrogate: 1-Chlorooctane 89.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.9 % 52.1-176

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:	01/09/2015	Sampling Date:	12/30/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-6 VADOSE - C (H500084-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.6 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

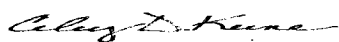
Surrogate: 1-Chlorooctane 85.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.5 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-6 VADOSE - D (H500084-04)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42		
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71		
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96		
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32		
Total BTEX	<0.300	0.300	01/13/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 95.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

Surrogate: 1-Chlorooctane 85.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.2 % 52.1-176

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

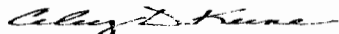
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

101 East Merland - Hobbs New Mexico
88240
(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.)

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

Project Manager:

Danny Berry

Address: (Street, City, Zip)

P O Box 160 Eunice, New Mexico 88231

Phone #:

(575)369-5266

Phone#:

(575)369-5266

Fax#:

(575)397-2267

Project #:

Project Name:
Lazy Ace Landfarm

Project Location:

T20S R34E Sec 22M ~ Lea County -New Mexico

Sample Signature:

Rozanne Johnson (575)831-8310
rozanne@valmet.com

LAB #

LAB USE ONLY

150008384

FIELD CODE

(G)rab or (C)omp

CONTAINERS

WATER
SOIL
AIR
SLUDGE
HCL
HNO₃
NaHSO₄
H₂SO₄
ICE (1-4oz jar)
NONE

DATE (2014)

TIME

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

Relinquished by:

Date: Time:

Rozanne Johnson

1-5-2015 16:16

Received by:

Date: Time:

Received By: (Laboratory Staff)

Date: Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: 2.80

Sample Condition

Yes
No

CHECKED BY

Yes
No

REMARKS:

Email Results to: rozanne@valmet.com

Phone Results

Yes

No

Additional Fax Number

Yes

No

#54



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

January 14, 2015

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 01/09/15 16:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-7 VADOSE-A (H500085-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PI) 94.8 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

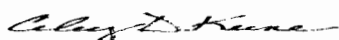
Surrogate: 1-Chlorooctane 93.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.6 % 52.1-176

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: 01/09/2015
 Reported: 01/14/2015
 Project Name: LAZY ACE LANDFARM
 Project Number: NONE GIVEN
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 12/30/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A-7 VADOSE-B (H500085-02)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.8 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

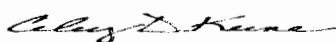
Surrogate: 1-Chlorooctane 92.1 % 47.2-157

Surrogate: 1-Chloroadecane 95.4 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-7 VADOSE-C (H500085-03)
BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.4 % 61-154

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

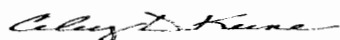
Surrogate: 1-Chlorooctane 96.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-7 VADOSE-D (H500085-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.1 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

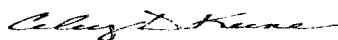
Surrogate: 1-Chlorooctane 86.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

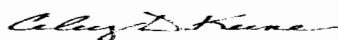
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

Company Name
Lazy Ace Landfarm, LLC

BILL TO Company
Lazy Ace Landfarm, LLC

PO#

Project Manager
Danny Berry

Address (Street, City, Zip)

P. O. Box 160 Eunice, New Mexico 88231

Phone #

(575)369-5266

Fax #

(575)369-5266

Phone#

Fax#

(575)397-2267

Project #

Project Name

Lazy Ace Landfarm

Project Location

T20S R34E Sec 22M ~ Lea County -New Mexico

Sampler Signature

Rozanne Johnson (575)631-9310
rozanne@valornet.com

LAB #

LAB USE ONLY

FIELD CODE

1500044785

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (2-4oz jar)

NONE

DATE (2014)

TIME

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

ANALYSIS REQUEST

(Circle or Specify Method No.)

Requisition by	Date	Time	Received by	Date	Time	Phone Results	Yes	No																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Phone Results

Yes

No

Fax Results

Yes

No

Additional Fax Number:

Relinquished by:

Date: Time:

Received By:

Date: Time:

REMARKS:

Email Results to: rozanne@valornet.com

Delivered By: (Circle One)

Sample Condition

CHECKED BY:

Sampler - UPS - Bus - Other:

2.8c

Yes

No

Cool

Yes

No

Intact

Yes

No

Checked

Yes

No

Signature

Yes

No

Signature

Yes

No

Signature

Yes

No

Signature

Yes

No

Signature

Yes

No

Signature

Yes

No

Signature

Yes

No

Signature

Yes

No

Signature

Yes

No

Signature

Yes

No

Signature

Yes

No

January 14, 2015

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 01/09/15 16:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

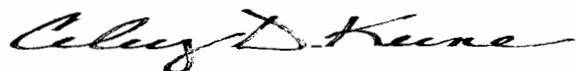
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



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: 01/09/2015
Reported: 01/14/2015
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL X-1 VADOSE ZONE - A (H500086-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.5 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

Surrogate: 1-Chlorooctane 87.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.1 % 52.1-176

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:	01/09/2015	Sampling Date:	12/30/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE - B (H500086-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.9 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

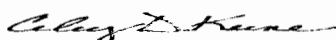
Surrogate: 1-Chlorooctane 94.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.5 % 52.1-176

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:	01/09/2015	Sampling Date:	12/30/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE - C (H500086-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTEX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.0 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

Surrogate: 1-Chlorooctane 92.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.8 % 52.1-176

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:	01/09/2015	Sampling Date:	12/30/2014
Reported:	01/14/2015	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE - D (H500086-04)

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2015	ND	1.64	82.0	2.00	8.42	
Toluene*	<0.050	0.050	01/13/2015	ND	1.62	80.9	2.00	7.71	
Ethylbenzene*	<0.050	0.050	01/13/2015	ND	1.57	78.4	2.00	7.96	
Total Xylenes*	<0.150	0.150	01/13/2015	ND	4.74	79.0	6.00	8.32	
Total BTX	<0.300	0.300	01/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 93.9 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2015	ND	400	100	400	3.92	

TPH 801SM		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/13/2015	ND	210	105	200	3.59	
DRO >C10-C28	<10.0	10.0	01/13/2015	ND	204	102	200	2.02	

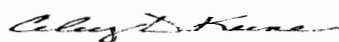
Surrogate: 1-Chlorooctane 88.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.4 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

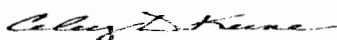
Notes and Definitions

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

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

RECEIVED 000
AUG 11 2 3 15

Arc Environmental

Rozanne Johnson
P. O. Box 1772
Lovington, New Mexico 88260
(575) 631-9310
rozanne11@windstream.net

August 9, 2014

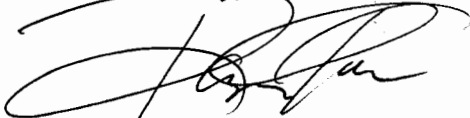
Mr. Brad Jones
NMOCD Environmental
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87504

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



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

July 02, 2014

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 06/27/14 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-1
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-1 VADOSE ZONE - A (H401955-01)

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2014	ND	1.74	86.9	2.00	9.88	
Toluene*	<0.050	0.050	06/30/2014	ND	1.81	90.5	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/30/2014	ND	1.59	79.4	2.00	11.2	
Total Xylenes*	<0.150	0.150	06/30/2014	ND	4.90	81.6	6.00	12.6	
Total BTEX	<0.300	0.300	06/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.6 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	170	85.2	200	1.27	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	185	92.5	200	2.82	

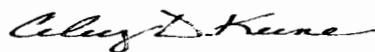
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-1
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-1 VADOSE ZONE - B (H401955-02)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2014	ND	1.74	86.9	2.00	9.88	
Toluene*	<0.050	0.050	06/30/2014	ND	1.81	90.5	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/30/2014	ND	1.59	79.4	2.00	11.2	
Total Xylenes*	<0.150	0.150	06/30/2014	ND	4.90	81.6	6.00	12.6	
Total BTX	<0.300	0.300	06/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	170	85.2	200	1.27	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	185	92.5	200	2.82	

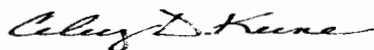
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-1
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-1 VADOSE ZONE - C (H401955-03)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2014	ND	1.74	86.9	2.00	9.88		
Toluene*	<0.050	0.050	06/30/2014	ND	1.81	90.5	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/30/2014	ND	1.59	79.4	2.00	11.2		
Total Xylenes*	<0.150	0.150	06/30/2014	ND	4.90	81.6	6.00	12.6		
Total BTEX	<0.300	0.300	06/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 97.8 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	170	85.2	200	1.27	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	185	92.5	200	2.82	

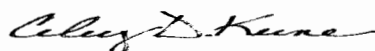
Surrogate: 1-Chlorooctane 99.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-1
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-1 VADOSE ZONE - D (H401955-04)

BTX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2014	ND	1.74	86.9	2.00	9.88		
Toluene*	<0.050	0.050	06/30/2014	ND	1.81	90.5	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/30/2014	ND	1.59	79.4	2.00	11.2		
Total Xylenes*	<0.150	0.150	06/30/2014	ND	4.90	81.6	6.00	12.6		
Total BTX	<0.300	0.300	06/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.5 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	170	85.2	200	1.27	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	185	92.5	200	2.82	

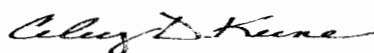
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

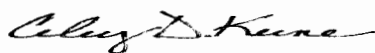
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories, Inc.

PO#

Company Name:
Lazy Ace Landfarm, LLC

BILL TO Company:
Lazy Ace Landfarm, LLC
Address:
(Street, City, Zip)

Project Manager:

Danny Berry

Address:
(Street, City, Zip)

P O Box 160 Eunice, New Mexico 88231

Phone #:

(575) 369-5266

Project Name:

Lazy Ace Landfarm

Sample Signature:

Rozanne Johnson (575) 631-9310
rozanne@valmet.com

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

LAB #

FIELD CODE

LAB USE ONLY

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2014)

TIME

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished By: Rozanne Johnson
Date: 6/27/14
Time: 14:12

Received By: (Laboratory Staff)
Date: 6/27/14
Time: 2:13

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition
Cool ☒ Yes ☐ No
Intact ☒ Yes ☐ No

CHECKED BY

(Initials)
Cdk

REMARKS:

Email Results to: rozanne@valmet.com

Phone Results

Yes

No

Additional Fax Number:

July 02, 2014

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 06/27/14 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

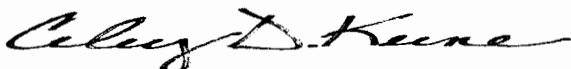
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



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:	06/27/2014	Sampling Date:	06/24/2014
Reported:	07/02/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-2	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-2 VADOSE ZONE - A (H401956-01)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2014	ND	1.74	86.9	2.00	9.88	
Toluene*	<0.050	0.050	06/30/2014	ND	1.81	90.5	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/30/2014	ND	1.59	79.4	2.00	11.2	
Total Xylenes*	<0.150	0.150	06/30/2014	ND	4.90	81.6	6.00	12.6	
Total BTX	<0.300	0.300	06/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.2 % 89.4-126

Chloride, SM4S00CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	170	85.2	200	1.27	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	185	92.5	200	2.82	

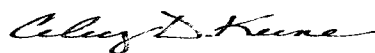
Surrogate: 1-Chlorooctane 95.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-2
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-2 VADOSE ZONE - B (H401956-02)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2014	ND	1.74	86.9	2.00	9.88		
Toluene*	<0.050	0.050	06/30/2014	ND	1.81	90.5	2.00	11.3		
Ethylbenzene*	<0.050	0.050	06/30/2014	ND	1.59	79.4	2.00	11.2		
Total Xylenes*	<0.150	0.150	06/30/2014	ND	4.90	81.6	6.00	12.6		
Total BTEX	<0.300	0.300	06/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.8 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	170	85.2	200	1.27	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	185	92.5	200	2.82	

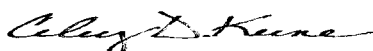
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-2
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-2 VADOSE ZONE - C (H401956-03)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2014	ND	1.74	86.9	2.00	9.88	
Toluene*	<0.050	0.050	06/30/2014	ND	1.81	90.5	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/30/2014	ND	1.59	79.4	2.00	11.2	
Total Xylenes*	<0.150	0.150	06/30/2014	ND	4.90	81.6	6.00	12.6	
Total BTEX	<0.300	0.300	06/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.7 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	170	85.2	200	1.27	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	185	92.5	200	2.82	

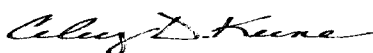
Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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: 06/27/2014
 Reported: 07/02/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL A-2
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 06/24/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL A-2 VADOSE ZONE - D (H401956-04)

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2014	ND	1.74	86.9	2.00	9.88	
Toluene*	<0.050	0.050	06/30/2014	ND	1.81	90.5	2.00	11.3	
Ethylbenzene*	<0.050	0.050	06/30/2014	ND	1.59	79.4	2.00	11.2	
Total Xylenes*	<0.150	0.150	06/30/2014	ND	4.90	81.6	6.00	12.6	
Total BTEX	<0.300	0.300	06/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.1 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	170	85.2	200	1.27	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	185	92.5	200	2.82	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7



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

July 02, 2014

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 06/27/14 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Caley 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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-3
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-3 VADOSE ZONE - A (H401957-01)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	06/30/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	06/30/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	06/30/2014	ND	5.17	86.2	6.00	13.3	
Total BTEx	<0.300	0.300	06/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PII) 99.8 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

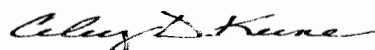
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-3
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-3 VADOSE ZONE - B (H401957-02)

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.6 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	


Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-3
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-3 VADOSE ZONE - C (H401957-03)

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

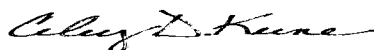
Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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:	06/27/2014	Sampling Date:	06/24/2014
Reported:	07/02/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-3	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-3 VADOSE ZONE - D (H401957-04)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6		
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6		
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8		
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3		
Total BTEX	<0.300	0.300	07/01/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

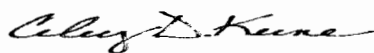
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

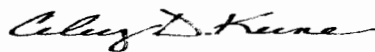
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories, Inc.

Page 1 of 1

LAB Order ID #

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

Project #:

Project Name: Lazy Ace Landfarm

Project Location:

T20S R34E Sec 22M ~ Lea County - New Mexico

Sampler Signature

Rozanne Johnson (575)551-9310
rozanne@valornet.com

BILL TO Company: Lazy Ace Landfarm, LLC

Address: (Street, City, Zip)

P. O. Box 160 Eunice, New Mexico 88231

Phone #:

(575)369-5266

Fax #:

(575)397-2267

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB USE ONLY
(1401457)

FIELD CODE

(G)rab or (C)omp
CONTAINERS

WATER
SOIL
AIR
SLUDGE

HCL
HNO₃
NaHSO₄
H₂SO₄

ICE (1-4oz jar)
NONE

DATE (2014)
TIME

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

Relinquished By: Rozanne Johnson

Date: 11/27/2014

Time: 1412

Received by: (Laboratory Staff)

Date: 6/27/14

Time: 2:13

Phone Results: Yes

Fax Results: Yes

Additional Fax Number: No

REMARKS:

Delivered By: (Circle One)

Sample Condition: Good

Yes

No

CHECKED BY: (Initials)

OK

Sampler - UPS - Bus - Other:

26's Yes

No

#34

Email Results to: rozanne@valornet.com



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

July 02, 2014

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 06/27/14 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 06/27/2014
 Reported: 07/02/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL A-4
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 06/24/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL A-4 VADOSE ZONE - A (H401958-01)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.1 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

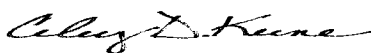
Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-4
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-4 VADOSE ZONE - B (H401958-02)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6		
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6		
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8		
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3		
Total BTEX	<0.300	0.300	07/01/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 98.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH B015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	


Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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: 06/27/2014
 Reported: 07/02/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL A-4
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 06/24/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL A-4 VADOSE ZONE - C (H401958-03)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

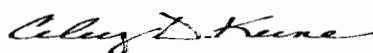
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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: 06/27/2014
 Reported: 07/02/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL A-4
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 06/24/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL A-4 VADOSE ZONE - C (H401958-04)

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.8 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

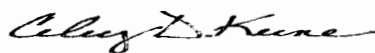
Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

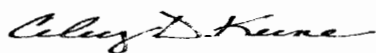
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

DOC#

Address: _____ (Street, City, Zip)

P. O. Box 160 Eunice, New Mexico 88231

Fax#

(575)397-2267

Fax

Project Name:

4

Example Signature: Rozanne Johnson (575)631-9310
rozanne@valornet.com

rozanne@valornet.com

[illegible]



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

July 02, 2014

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 06/27/14 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 06/27/2014
 Reported: 07/02/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL A-5
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 06/24/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL A-5 VADOSE - A (H401959-01)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PII) 98.8 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

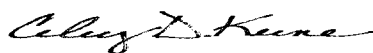
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-5
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-5 VADOSE - B (H401959-02)

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.9 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

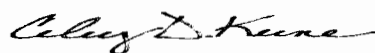
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-5
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-5 VADOSE - C (H401959-03)

BTX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.4 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

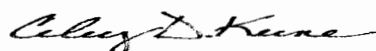
Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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:	06/27/2014	Sampling Date:	06/24/2014
Reported:	07/02/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-5	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-5 VADOSE - D (H401959-04)

BTEX 8021B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6		
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6		
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8		
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3		
Total BTEX	<0.300	0.300	07/01/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.4 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

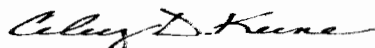
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

101 East Marland - Hobbs New Mexico
88240
(575) 393-2325 Tel
(575) 393-2476 Fax

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

ANALYSIS REQUEST

(Circle or Specify Method No.)

Turn Around Time ~ 24 Hours

Company Name:

Lazy Ace Landfarm, LLC

BILL TO Company:

Lazy Ace Landfarm, LLC

Address: (Street, City, Zip)

Project Manager:

Danny Berry

Address: (Street, City, Zip)

P. O. Box 160 Eunice, New Mexico 88231

Phone #:

(575) 369-5266

Project #:

Project Name: Lazy Ace Landfarm

Project Location:

T20S R34E Sec 22M ~ Lea County -New Mexico

Sample Signature:

Bezanne Johnson (575) 631-9310
rozanne@valornet.com

LAB

LAB USE ONLY

4401954

FIELD CODE

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2014)

TIME

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

Relinquished by:

Bezanne Johnson

Date: 12/24/14

Time: 1415

Received by:

Bezanne Johnson

Date: 12/27/14

Time: 2:13

Received by:

Bezanne Johnson

Date: 12/27/14

Time: 2:13

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Yes ☒ No ☐

Intact Yes ☒ No ☐

CHECKED BY:

(Initials)

Bezanne Johnson

Date: 12/27/14

Time: 2:13

Phone Results

Yes ☐ No ☐

Fax Results

Yes ☐ No ☐

REMARKS:

Email Results to: rozanne@valornet.com

#54



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

July 02, 2014

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 06/27/14 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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:	06/27/2014	Sampling Date:	06/24/2014
Reported:	07/02/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-6	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-6 VADOSE - B (H401960-02)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.9 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

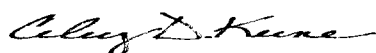
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-6
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-6 VADOSE - C (H401960-03)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.8 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

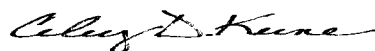
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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:	06/27/2014	Sampling Date:	06/24/2014
Reported:	07/02/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-6	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-6 VADOSE - D (H401960-04)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/01/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

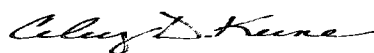
Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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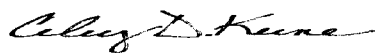
Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

101 East Merland - Hobbs, New Mexico
88240
(505) 393-2326
(505) 393-2476
Tel
Fax

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:

Lazy Ace Landfarm, LLC

BILL TO Company:

Lazy Ace Landfarm, LLC

PO#

Project Manager:

Danny Berry

Address:

P. O. Box 180 Eunice, New Mexico 88231

Address: (Street, City, Zip)

P. O. Box 180 Eunice, New Mexico 88231

Phone#:

(505) 369-5266

Fax#

Phone #:

(505) 369-5266

Fax #:

Project Name:

Project Location:

Sampler Signature: Rozanne Johnson (505) 393-9310

rozanne@valornet.com

LAB #

FIELD CODE

LAB USE ONLY

141948

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2014)

TIME

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

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB Order ID #

Page 7 of 7

Relinquished by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

Received by: (Laboratory Staff)

Date: Time:

Delivered By: (Circle One)

Sample Condition

CHECKED BY:

Sampler - UPS - Bus - Other:

Yes

No

Cool

Yes

No

Intact

Yes

No

(Initials)

CPK

Email Results to: rozanne@valornet.com

REMARKS:

Phone Results

Yes

No

Yes

No

Additional Fax Number:

Yes

No

Additional Fax Number:

Yes

No

Additional Fax Number:

Yes

No

Additional Fax Number:

Yes

No

Additional Fax Number:

Yes

No



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

July 02, 2014

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 06/27/14 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 06/27/2014
Reported: 07/02/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-7
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/24/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: CELL A-7 VADOSE - A (H401961-01)

BTEx 8021B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6		
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6		
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8		
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3		
Total BTEX	<0.300	0.300	07/01/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.9 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/02/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

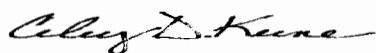
Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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: 06/27/2014
 Reported: 07/02/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL A-7
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 06/24/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL A-7 VADOSE - B (H401961-02)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

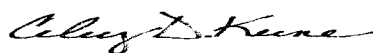
Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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:	06/27/2014	Sampling Date:	06/24/2014
Reported:	07/02/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-7	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-7 VADOSE - C (H401961-03)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2014	ND	416	104	400	0.00	

TPH 801SM		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

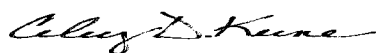
Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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:	06/27/2014	Sampling Date:	06/24/2014
Reported:	07/02/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-7	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-7 VADOSE - D (H401961-04)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	1.80	89.9	2.00	13.6	
Toluene*	<0.050	0.050	07/01/2014	ND	1.88	94.2	2.00	13.6	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.67	83.7	2.00	13.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.17	86.2	6.00	13.3	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2014	ND	182	90.8	200	5.60	
DRO >C10-C28	<10.0	10.0	06/30/2014	ND	188	94.1	200	0.970	

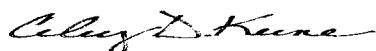
Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

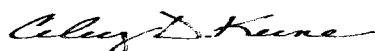
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

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:

P O Box 160 Eunice, New Mexico 88231

(Street, City, Zip)

Address: (Street, City, Zip)

P O Box 160 Eunice, New Mexico 88231

Phone#

(575)369-5266

Fax#

(575)397-2267

Phone #

(575)369-5266

Project Name:

Lazy Ace Landfarm

Project #

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

Sampler Signature:

Rozanne Johnson (575)831-9310
rozanne@valornet.com

LAB #

LAB USE ONLY

FIELD CODE

(G)rab or (C)omp
CONTAINERS

WATER
SOIL
AIR
SLUDGE

HCL
HNO₃
NaHSO₄
H₂SO₄
ICE (2-4oz jar)
NONE

DATE (2014)
TIME

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

Relinquished by:

Rozanne Johnson

Date: Time:

6/27/14 14:12

Received by:

Rozanne Johnson

Date: Time:

6/27/14 2:13

Relinquished by:

Rozanne Johnson

Date: Time:

6/27/14 14:12

Received by:

Rozanne Johnson

Date: Time:

6/27/14 2:13

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

2.10 Yes No

CHECKED BY:

(Initials) Cdk

Email Results to: rozanne@valornet.com

REMARKS:

Phone Results

Yes No

Yes No

Yes No

Additional Fax Number:

#54



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

July 03, 2014

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 06/27/14 14:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Caley D. Keene". The signature is written in a cursive, flowing style.

Caley 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: 06/27/2014
 Reported: 07/03/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL X-1
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 06/25/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: CELL X-1 VADOSE ZONE - A (H401962-01)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2014	ND	2.04	102	2.00	23.0		
Toluene*	<0.050	0.050	07/01/2014	ND	2.13	106	2.00	23.7		
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.87	93.4	2.00	22.8		
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.74	95.6	6.00	22.2		
Total BTEX	<0.300	0.300	07/01/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/01/2014	ND	197	98.5	200	8.40	
DRO >C10-C28	<10.0	10.0	07/01/2014	ND	197	98.7	200	5.62	

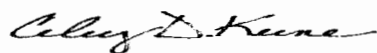
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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:	06/27/2014	Sampling Date:	06/25/2014
Reported:	07/03/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL X-1	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE - B (H401962-02)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	2.04	102	2.00	23.0	
Toluene*	<0.050	0.050	07/01/2014	ND	2.13	106	2.00	23.7	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.87	93.4	2.00	22.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.74	95.6	6.00	22.2	
Total BTX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/01/2014	ND	197	98.5	200	8.40	
DRO >C10-C28	<10.0	10.0	07/01/2014	ND	197	98.7	200	5.62	

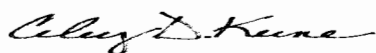
Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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:	06/27/2014	Sampling Date:	06/25/2014
Reported:	07/03/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL X-1	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE - C (H401962-03)

BTEX 80218		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	2.04	102	2.00	23.0	
Toluene*	<0.050	0.050	07/01/2014	ND	2.13	106	2.00	23.7	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.87	93.4	2.00	22.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.74	95.6	6.00	22.2	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/02/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/01/2014	ND	197	98.5	200	8.40	
DRO >C10-C28	<10.0	10.0	07/01/2014	ND	197	98.7	200	5.62	

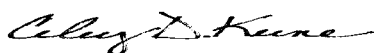
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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:	06/27/2014	Sampling Date:	06/25/2014
Reported:	07/03/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL X-1	Sample Received By:	Celey D. Keene
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE - D (H401962-04)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2014	ND	2.04	102	2.00	23.0	
Toluene*	<0.050	0.050	07/01/2014	ND	2.13	106	2.00	23.7	
Ethylbenzene*	<0.050	0.050	07/01/2014	ND	1.87	93.4	2.00	22.8	
Total Xylenes*	<0.150	0.150	07/01/2014	ND	5.74	95.6	6.00	22.2	
Total BTEX	<0.300	0.300	07/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/01/2014	ND	197	98.5	200	8.40	
DRO >C10-C28	<10.0	10.0	07/01/2014	ND	197	98.7	200	5.62	

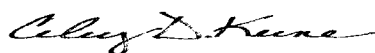
Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

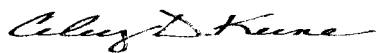
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

RECEIVED OGD

2014 APR 28 P 2:07

Arc Environmental

Rozanne Johnson
P. O. Box 1772
Lovington, New Mexico 88260
(575) 631-9310
rozanne11@windstream.net

March 28, 2014

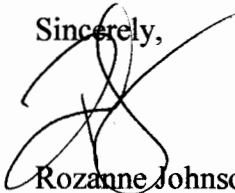
Mr. Brad Jones
NMOCD Environmental
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87504

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 for 2013. 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



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

January 09, 2014

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 01/06/14 10:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-1	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE-A (H400024-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/06/2014	ND	212	106	200	3.32	
DRO >C10-C28	<10.0	10.0	01/06/2014	ND	207	103	200	2.78	

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.8 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-1	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE-B (H400024-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/06/2014	ND	212	106	200	3.32	
DRO >C10-C28	<10.0	10.0	01/06/2014	ND	207	103	200	2.78	

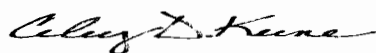
Surrogate: 1-Chlorooctane 96.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.1 % 63.6-154

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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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-1	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE-C (H400024-03)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/06/2014	ND	212	106	200	3.32	
DRO >C10-C28	<10.0	10.0	01/06/2014	ND	207	103	200	2.78	

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.5 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-1	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE-D (H400024-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/06/2014	ND	212	106	200	3.32	
DRO >C10-C28	<10.0	10.0	01/06/2014	ND	207	103	200	2.78	

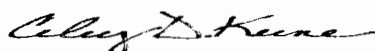
Surrogate: 1-Chlorooctane 99.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.3 % 63.6-154

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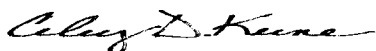
Celey D. Keene, Lab Director/Quality Manager

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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Celey D. Keene, Lab Director/Quality Manager



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

January 09, 2014

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 01/06/14 10:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-2	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-2 VADOSE ZONE-A (H400025-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

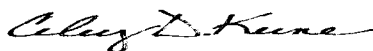
Surrogate: 1-Chlorooctane 99.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.7 % 63.6-154

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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: 01/06/2014
Reported: 01/09/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-2
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-2 VADOSE ZONE-B (H400025-02)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

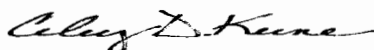
Surrogate: 1-Chlorooctane 74.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 76.1 % 63.6-154

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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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-2	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-2 VADOSE ZONE-C (H400025-03)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

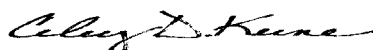
Surrogate: 1-Chlorooctane 86.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.5 % 63.6-154

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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: 01/06/2014
 Reported: 01/09/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL A-2
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 12/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A-2 VADOSE ZONE-D (H400025-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

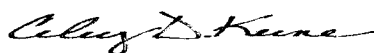
Surrogate: 1-Chlorooctane 80.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.3 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

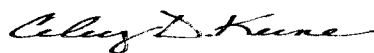
Notes and Definitions

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



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

January 09, 2014

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 01/06/14 10:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-3	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-3 VADOSE ZONE-A (H400026-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

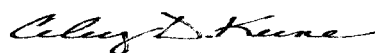
Surrogate: 1-Chlorooctane 93.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.8 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-3	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-3 VADOSE ZONE-B (H400026-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 801SM		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

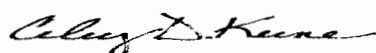
Surrogate: 1-Chlorooctane 74.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 70.1 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-3	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-3 VADOSE ZONE-C (H400026-03)

BTEX 80218			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

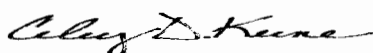
Surrogate: 1-Chlorooctane 79.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 78.0 % 63.6-154

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: 01/06/2014
Reported: 01/09/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-3
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-3 VADOSE ZONE-D (H400026-04)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

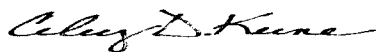
Surrogate: 1-Chlorooctane 75.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 72.6 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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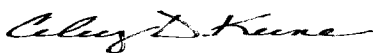
Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

101 East Merland - Hobbs, New Mexico
88240
(575) 363-2326
(575) 363-2476
Tel
Fax

Cardinal Laboratories, Inc.

Company Name:

Lazy Ace Landfarm, LLC

BILL TO Company:

Lazy Ace Landfarm, LLC

PO#

Project Manager:

Danny Berry

Address:

P. O. Box 180 Eunice, New Mexico 88231

(Street, City, Zip)

Address: (Street, City, Zip)

P. O. Box 180 Eunice, New Mexico 88231

Phone#:

(575)369-5266

Fax#:

(575)397-2267

Phone #:

(575)369-5266

Project #:

Project Name:

Lazy Ace Landfarm

Project Location:

T20S R34E Sec 22M ~ Lea County -New Mexico

Sampler Signature: Rozanne Johnson (575)831-8370

rozanne@valomet.com

LAB #

LAB USE ONLY

FIELD CODE

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2013)

TIME

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

ANALYSIS REQUEST

(Circle or Specify Method No.)

Danny Berry		P. O. Box 160 Eunice, New Mexico 88231																
Address: (Street, City, Zip)		Phone#: (575)369-5266																
P. O. Box 160 Eunice, New Mexico 88231		Fax#: (575)397-2267																
Phone #: (575)369-5266																		
Project #:		Project Name: Lazy Ace Landfarm																
Project Location: T20S R34E Sec 22M ~ Lea County -New Mexico		Sampler Signature: Rozanne Johnson (575)331-8310																
LAB # (LAB USE ONLY) HYDRO 21	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	WATER	SOIL	AIR	SLUDGE	HCL	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE (1-4oz jar)	NONE	DATE (2013)	TIME	SAMPLING	METHOD	PRESERVATIVE
1	Cell A-3 Vadose Zone-A	G	1	X										X	12/30 9:35			
2	Cell A-3 Vadose Zone-B	G	1	X										X	12/30 9:50			
3	Cell A-3 Vadose Zone-C	G	1	X										X	12/30 10:10			
4	Cell A-3 Vadose Zone-D	G	1	X										X	12/30 10:25			

Refiniquished by:

Date: Time:

Received by:

Date: Time:

Refiniquished by:

Date: Time:

Received By: (Laboratory Staff)

Date: Time:

Delivered By: (Circle One)

Sample Condition

CHECKED BY:

Samples - UPS - Bus - Other:

-1.8 No Cool No Integ

Initials

Email Results to: rozanne@valomet.com

REMARKS:

Phone Results

Yes No

Fax Results

Yes No

Additional Fax Number:



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

January 09, 2014

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 01/06/14 10:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-4	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-4 VADOSE ZONE-A (H400027-01)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

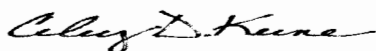
Surrogate: 1-Chlorooctane 85.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.4 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-4	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-4 VADOSE ZONE-B (H400027-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 801SM		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

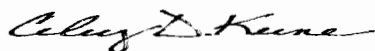
Surrogate: 1-Chlorooctane 84.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 63.6-154

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: 01/06/2014
Reported: 01/09/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-4
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-4 VADOSE ZONE-C (H400027-03)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

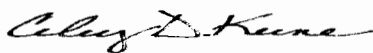
Surrogate: 1-Chlorooctane 85.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.3 % 63.6-154

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: 01/06/2014
Reported: 01/09/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-4
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-4 VADOSE ZONE-D (H400027-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

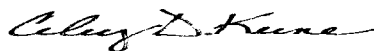
Surrogate: 1-Chlorooctane 79.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 73.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

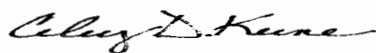
Notes and Definitions

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

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

January 09, 2014

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 01/06/14 10:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Caley 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: 01/06/2014
Reported: 01/09/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-5
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-5 VADOSE-A (H400028-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	01/08/2014	ND	2.10	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.16	108	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	6.23	104	6.00	0.713	
Total BTX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

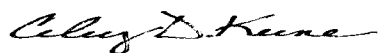
Surrogate: 1-Chlorooctane 88.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.5 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-5	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-5 VADOSE-B (H400028-02)

BTEX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47		
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63		
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88		
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07		
Total BTEX	<0.300	0.300	01/08/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

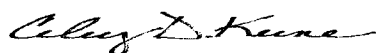
Surrogate: 1-Chlorooctane 90.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.2 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-5	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-5 VADOSE-C (H400028-03)

BTX 8021B		mg/kg		Analyzed By: M5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

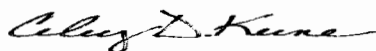
Surrogate: 1-Chlorooctane 82.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.0 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-5	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-5 VADOSE-D (H400028-04)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

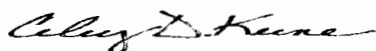
Surrogate: 1-Chlorooctane 88.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

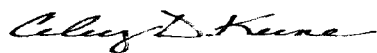
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Qbhf !8!pg8

Turn Around Time ~ 24 Hours

1

1



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

January 09, 2014

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 01/06/14 10:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 01/06/2014
Reported: 01/09/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-6
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-6 VADOSE-A (H400029-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

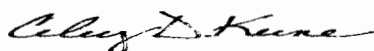
Surrogate: 1-Chlorooctane 89.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.1 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-6	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-6 VADOSE-B (H400029-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

Surrogate: 1-Chlorooctane 85.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.3 % 63.6-154

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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: 01/06/2014
Reported: 01/09/2014
Project Name: LAZY ACE LANDFARM
Project Number: CELL A-6
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-6 VADOSE-C (H400029-03)

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

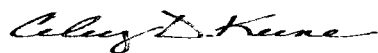
Surrogate: 1-Chlorooctane 82.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.4 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-6	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-6 VADOSE-D (H400029-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47		
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63		
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88		
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07		
Total BTEX	<0.300	0.300	01/08/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	204	102	200	1.79	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	213	107	200	0.325	

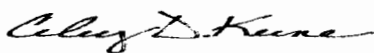
Surrogate: 1-Chlorooctane 83.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 63.6-154

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

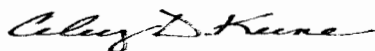
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager



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

January 10, 2014

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 01/06/14 10:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-7	Sample Received By:	Jodi Henson
Project Location:	T205-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-7 VADOSE-A (H400030-01)

8TEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PI) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	192	96.1	200	2.58	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	193	96.6	200	0.609	

Surrogate: 1-Chlorooctane 82.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.6 % 63.6-154

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: 01/06/2014
 Reported: 01/10/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL A-7
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 12/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A-7 VADOSE-B (H400030-02)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	192	96.1	200	2.58	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	193	96.6	200	0.609	

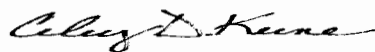
Surrogate: 1-Chlorooctane 82.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.5 % 63.6-154

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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: 01/06/2014
 Reported: 01/10/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL A-7
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 12/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A-7 VADOSE-C (H400030-03)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	192	96.1	200	2.58	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	193	96.6	200	0.609	

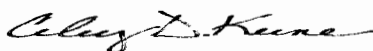
Surrogate: 1-Chlorooctane 92.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.0 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL A-7	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-7 VADOSE-D (H400030-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	192	96.1	200	2.58	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	193	96.6	200	0.609	


Surrogate: 1-Chlorooctane 79.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 73.6 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

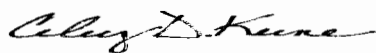
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

101 East Marland - Hobbs, New Mexico
88240
(575) 369-2326 Tel
(575) 369-2476 Fax

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

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#:

P. O. Box 160 Eunice, New Mexico 88231

Phone#:

Fax #:

(575)369-5266

Fax#:

Project #:

Project Name: Lazy Ace Landfarm

Project Location:

T20S R34E Sec 22M ~ Lea County -New Mexico

Sampler Signature:

Rozanne Johnson (575)631-9310
rozanne@valmet.com

LAB #

FIELD CODE

LAB USE ONLY

H4DD30

Cell A-7 Vadose-A

Cell A-7 Vadose-B

Cell A-7 Vadose-C

Cell A-7 Vadose-D

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (2-4oz jar)

NONE

DATE (2013)

TIME

MTBE 8021B/802

BTEX 8021B/802

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

ANALYSIS REQUEST

(Circle or Specify Method No.)

Relinquished by: Date: Time:

Received by:

Date: Time:

Relinquished by: Rozanne Johnson

Date: 1-4-2014

Time: 10:35

Received By: (Laboratory Staff)

Date: 1-6-2014

Time: 10:34

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

CHECKED BY:

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Email Results to: rozanne@valmet.com

REMARKS:

Phone Results

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Additional Fax Number:

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Yes

No

Qbhf 181pg8



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

January 10, 2014

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 01/06/14 10:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 01/06/2014
 Reported: 01/10/2014
 Project Name: LAZY ACE LANDFARM
 Project Number: CELL X-1
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 12/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL X-1 VADOSE ZONE-A (H400031-01)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/09/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	192	96.1	200	2.58	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	193	96.6	200	0.609	

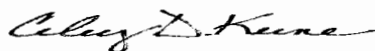
Surrogate: 1-Chlorooctane 89.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.4 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL X-1	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE-B (H400031-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/09/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	192	96.1	200	2.58	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	193	96.6	200	0.609	

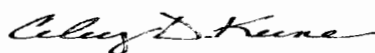
Surrogate: 1-Chlorooctane 81.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 78.4 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL X-1	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE-C (H400031-03)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/09/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	192	96.1	200	2.58	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	193	96.6	200	0.609	

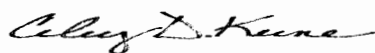
Surrogate: 1-Chlorooctane 83.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.9 % 63.6-154

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:	01/06/2014	Sampling Date:	12/30/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	CELL X-1	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE-D (H400031-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2014	ND	2.01	101	2.00	7.47	
Toluene*	<0.050	0.050	01/08/2014	ND	1.98	99.2	2.00	7.63	
Ethylbenzene*	<0.050	0.050	01/08/2014	ND	2.03	101	2.00	7.88	
Total Xylenes*	<0.150	0.150	01/08/2014	ND	5.92	98.6	6.00	8.07	
Total BTEX	<0.300	0.300	01/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/09/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2014	ND	192	96.1	200	2.58	
DRO >C10-C28	<10.0	10.0	01/07/2014	ND	193	96.6	200	0.609	

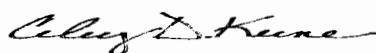
Surrogate: 1-Chlorooctane 84.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.0 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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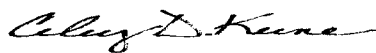
Celey D. Keene, Lab Director/Quality Manager

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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Celey D. Keene, Lab Director/Quality Manager



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

July 15, 2013

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 07/10/13 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-7 VADOSE-A (H301613-01)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 94.3 % 61.3-142

Surrogate: Toluene-d8 106 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4S00CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

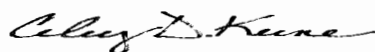
Surrogate: 1-Chlorooctane 87.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.8 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-7 VADOSE-B (H301613-02)

BTEX 82608		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.8 % 61.3-142

Surrogate: Toluene-d8 107 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

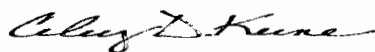
Surrogate: 1-Chlorooctane 85.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.0 % 63.6-154

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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-7 VADOSE-C (H301613-03)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.3 % 61.3-142
Surrogate: Toluene-d8 107 % 71.3-129
Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-8		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2013	ND	400	100	400	0.00	

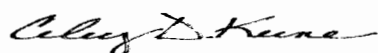
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

Surrogate: 1-Chlorooctane 87.6 % 65.2-140
Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-7 VADOSE-D (H301613-04)

BTX 82608		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 97.9 % 61.3-142

Surrogate: Toluene-d8 105 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

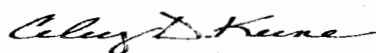
Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

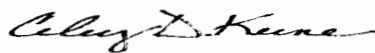
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Qbhf !8!pg8



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

July 15, 2013

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 07/10/13 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/10/2013
 Reported: 07/15/2013
 Project Name: LAZY ACE LANDFARM
 Project Number: NONE GIVEN
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 06/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL X-1 VADOSE ZONE-A (H301614-01)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.0 % 61.3-142

Surrogate: Toluene-d8 106 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

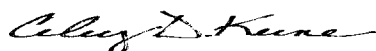
Surrogate: 1-Chlorooctane 86.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.6 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL X-1 VADOSE ZONE-B (H301614-02)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 94.0 % 61.3-142

Surrogate: Toluene-d8 107 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

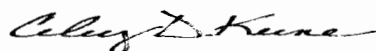
Surrogate: 1-Chlorooctane 85.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.8 % 63.6-154

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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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL X-1 VADOSE ZONE-C (H301614-03)

BTX 8260B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.9 % 61.3-142

Surrogate: Toluene-d8 105 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

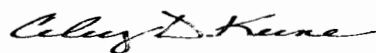
Surrogate: 1-Chlorooctane 86.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.9 % 63.6-154

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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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL X-1 VADOSE ZONE-D (H301614-04)

BTEX 8260B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 96.4 % 61.3-142

Surrogate: Toluene-d8 106 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	


Surrogate: 1-Chlorooctane 85.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

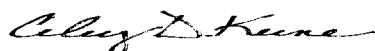
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories, Inc.

Company Name:

Lazy Ace Landfarm, LLC

BILL TO Company:

Lazy Ace Landfarm, LLC

PO#

Project Manager:

Danny Berry

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 #:

(575)369-5266

Fax #:

(575)369-5266

Project #:

Project Name:
Lazy Ace Landfarm

Project Location:

T20S R34E Sec 22M ~ Lea County -New Mexico

Sampler Signature: Rozanne Johnson (575)831-9310

tozanne@valornet.com

LAB #	LAB USE ONLY	FIELD CODE	(G)rab or (C)omp	# CONTAINERS					DATE (2013)	TIME
				WATER	SOIL	AIR	SLUDGE	HCL		
1		Cell X-1 Vadose Zone-A	G	1	X				6/28	15:15
2		Cell X-1 Vadose Zone-B	G	1	X				6/28	15:35
3		Cell X-1 Vadose Zone-C	G	1	X				6/28	16:00
4		Cell X-1 Vadose Zone-D	G	1	X				6/28	16:20

MTBE 8021B/802	X	X	X
BTEX 8021B	X	X	X
TPH 8015M	X	X	X
PAH 8270C	X	X	X
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	X	X	X
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	X	X	X
TCLP Volatiles	X	X	X
TCLP Semi Volatiles	X	X	X
TCLP Pesticides	X	X	X
RCRA Metals	X	X	X
GC/MS Vol. 8260B/624	X	X	X
GC/MS Semi. Vol. 8270C/625	X	X	X
PCB's 8082/608	X	X	X
Pesticides 8081A/608	X	X	X
BOD, TSS, pH	X	X	X
Moisture Content	X	X	X
Cations (Ca, Mg, Na, K)	X	X	X
Anions (Cl, SO4, CO3, HCO3)	X	X	X
Total Dissolved Solids	X	X	X
Chlorides	X	X	X
Turn Around Time ~ 24 Hours	X	X	X

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by: Rozanne Johnson Date: 7/10/2013 Time: 16:50

Received by: Rozanne Johnson Date: 7-10-2013 Time: 16:51

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

CHECKED BY: GA

REMARKS:

Email Results to: rozanne@valornet.com



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

July 15, 2013

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 07/10/13 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-6 VADOSE-A (H301615-01)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 97.7 % 61.3-142
Surrogate: Toluene-d8 106 % 71.3-129
Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2013	ND	400	100	400	0.00	

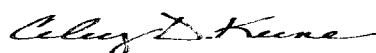
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

Surrogate: 1-Chlorooctane 86.9 % 65.2-140
Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-6 VADOSE-B (H301615-02)
BTEX 82608
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 97.3 % 61.3-142

Surrogate: Toluene-d8 107 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

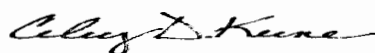
Surrogate: 1-Chlorooctane 88.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.4 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-6 VADOSE-C (H301615-03)
BTEX 8260B
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.8 % 61.3-142

Surrogate: Toluene-d8 106 % 71.3-129

Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

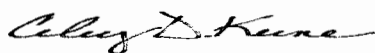
Surrogate: 1-Chlorooctane 88.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-6 VADOSE-D (H301615-04)
BTEX 8260B
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.2 % 61.3-142

Surrogate: Toluene-d8 107 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2013	ND	207	103	200	1.86	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	217	108	200	3.49	

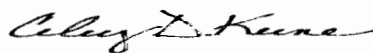
Surrogate: 1-Chlorooctane 89.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

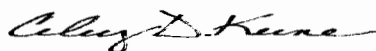
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories, Inc.

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

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

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

Project Location: **T20S R34E Sec 22M ~ Lea County -New Mexico** Sampler Signature: *Rozanne Johnson* (575) 631-8310
rozanne@valomet.com

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS					DATE (2013)	TIME
			WATER	SOIL	AIR	SLUDGE	HCL		
1	Cell A-6 Vadose-A	G	1	X				6/28	13:55
2	Cell A-6 Vadose-B	G	1	X				6/28	14:15
3	Cell A-6 Vadose-C	G	1	X				6/28	14:35
4	Cell A-6 Vadose-D	G	1	X				6/28	14:55

Relinquished by: *Rozanne Johnson* Date: **7/10/2013** Time: **16:50**
Received by: Date: Time:

Relinquished by: Date: Time: Received By: (Laboratory Staff) Date: Time: **7/10/2013 16:51**

Delivered By: (Circle One) **UPS** - Bus - Other: **UPS**
Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No
Checked By: *Rozanne Johnson*

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	

REMARKS: **Phone Results** Yes No **Fax Results** Yes No **Additional Fax Number:**
Email Results to: **rozanne@valomet.com**



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

July 15, 2013

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 07/10/13 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-5 VADOSE-A (H301616-01)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 96.9 % 61.3-142

Surrogate: Toluene-d8 109 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

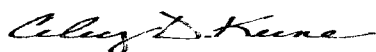
Surrogate: 1-Chlorooctane 87.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 the 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.



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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-5 VADOSE-B (H301616-02)

BTX 8260B			mg/kg Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78		
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76		
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29		
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0		

Surrogate: Dibromofluoromethane 94.7 % 61.3-142

Surrogate: Toluene-d8 107 % 71.3-129

Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B			mg/kg Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

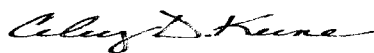
Surrogate: 1-Chlorooctane 87.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.1 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-5 VADOSE-C (H301616-03)
BTEX 82608
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.0 % 61.3-142

Surrogate: Toluene-d8 108 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	


Surrogate: 1-Chlorooctane 84.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.2 % 63.6-154

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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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-5 VADOSE-D (H301616-04)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.3 % 61.3-142

Surrogate: Toluene-d8 107 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

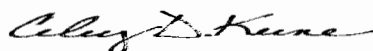
Surrogate: 1-Chlorooctane 82.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

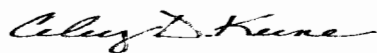
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

101 East Merland - Hobbs, New Mexico
88240
(575) 369-2326
(575) 369-2476
Tel
Fax

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

LAB Order ID #

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 #:

BILL TO Company:
Lazy Ace Landfarm, LLC

Address: (Street, City, Zip)
P. O. Box 160 Eunice, New Mexico 88231

Phone #: (575)369-5266

Fax #:

PO#

ANALYSIS REQUEST

(Circle or Specify Method No.)

Qbhf !8!pg8

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

Sampler Signature: *Rozanne Johnson*
Rozanne Johnson (575)331-8310
rozanne@valomet.com

LAB #

FIELD CODE

LAB USE ONLY
H3201616

LAB #	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	WATER	SOIL	AIR	SLUDGE	HCL	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE (1-4oz jar)	NONE	DATE (2013)	TIME
1	Cell A-5 Vadose-A	G	1	X										6/28 12:25	
2	Cell A-5 Vadose-B	G	1	X										6/28 12:50	
3	Cell A-5 Vadose-C	G	1	X										6/28 13:10	
4	Cell A-5 Vadose-D	G	1	X										6/28 13:25	

Relinquished by: *[Signature]*
Date: 7-10-2013 Time: 16:50

Received by:

Date: Time:

Relinquished by: *Rozanne Johnson*
Date: 7-10-2013 Time: 16:50

Received By: (Laboratory Staff)
Rozanne Johnson

Date: 7-10-2013 Time: 16:50

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition
Cool ☐ Yes ☒ No
Intact ☐ Yes ☒ No

CHECKED BY: *[Signature]*

Email Results to: **rozanne@valomet.com**

REMARKS:

Phone Results

Yes

No

Additional Fax Number:

#54

July 15, 2013

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 07/10/13 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

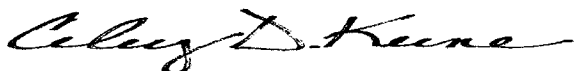
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-4 VADOSE ZONE-A (H301617-01)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 93.3 % 61.3-142

Surrogate: Toluene-d8 109 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

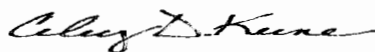
Surrogate: 1-Chlorooctane 83.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.0 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-4 VADOSE ZONE-B (H301617-02)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.1 % 61.3-142

Surrogate: Toluene-d8 109 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

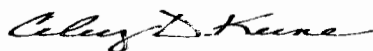
Surrogate: 1-Chlorooctane 83.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.5 % 63.6-154

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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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-4 VADOSE ZONE-C (H301617-03)

BTX B2608		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 93.9 % 61.3-142

Surrogate: Toluene-d8 108 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

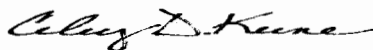
Surrogate: 1-Chlorooctane 89.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.4 % 63.6-154

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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: 07/10/2013
 Reported: 07/15/2013
 Project Name: LAZY ACE LANDFARM
 Project Number: NONE GIVEN
 Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

 Sampling Date: 06/28/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A-4 VADOSE ZONE-D (H301617-04)

BTEX 82608

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	1.86	93.2	2.00	6.78	
Toluene*	<0.050	0.050	07/12/2013	ND	2.17	108	2.00	6.76	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.16	108	2.00	9.29	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	6.40	107	6.00	12.0	

Surrogate: Dibromofluoromethane 95.7 % 61.3-142

Surrogate: Toluene-d8 110 % 71.3-129

Surrogate: 4-Bromofluorobenzene 108 % 65.7-141

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

Surrogate: 1-Chlorooctane 86.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

Cardinal Laboratories

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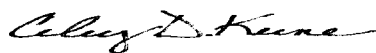
Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

101 East Merland - Hobbs, New Mexico
88240
(575) 369-2326
Tel
(575) 369-2478
Fax

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name:

Lazy Ace Landfarm, LLC

BILL TO Company:

Lazy Ace Landfarm, LLC

PO#

Address: (Street, City, Zip)

Project Manager:

Danny Berry

Address: (Street, City, Zip)

P. O. Box 180 Eunice, New Mexico 88231

Phone#:

(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:

Rozanne Johnson (575) 631-8810

rozanne@valomnet.com

LAB #

FIELD CODE

LAB USE ONLY
H321617

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2013)

TIME

MATRIX

PRESERVATIVE METHOD

SAMPLING

Cell A-4 Vadose Zone-A
Cell A-4 Vadose Zone-B
Cell A-4 Vadose Zone-C
Cell A-4 Vadose Zone-D

G 1
G 1
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G 1

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Received By:

Date: Time:

Relinquished By:

Date: Time:

Received by:

Date: Time:

Received By: (Laboratory Staff)

Date: Time:

Delivered By: (Circle One)

Sample Condition

Cool

Intact

CHECKED BY:

(Initials)

Sampler - UPS - Bus - Other:

Email Results to: rozanne@valomnet.com

ANALYSIS REQUEST (Circle or Specify Method No.)

Qbhf 18!pg8

July 15, 2013

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 07/10/13 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.


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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-3 VADOSE ZONE-A (H301618-01)

BTEx 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTEX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

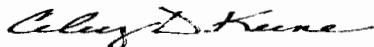
Surrogate: 1-Chlorooctane 90.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-3 VADOSE ZONE-B (H301618-02)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

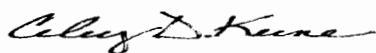
Surrogate: 1-Chlorooctane 88.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.9 % 63.6-154

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: 07/10/2013
Reported: 07/15/2013
Project Name: LAZY ACE LANDFARM
Project Number: NONE GIVEN
Project Location: T20S-R34E-SEC 22M-LEA CTY., NM

Sampling Date: 06/28/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A-3 VADOSE ZONE-C (H301618-03)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00		
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905		
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330		
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114		
Total BTEX	<0.300	0.300	07/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

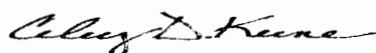
Surrogate: 1-Chlorooctane 86.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.8 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-3 VADOSE ZONE-D (H301618-04)

BTX 80218		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

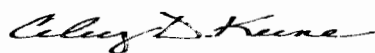
Surrogate: 1-Chlorooctane 88.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

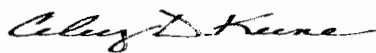
Notes and Definitions

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

Cardinal Laboratories

* = Accredited Analyte

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 the 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.



Celey D. Keene, Lab Director/Quality Manager

101 East Merland - Hobbs, New Mexico
88240
(505) 389-2328
Tel
(505) 389-2478
Fax

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

Company Name:
Lazy Ace Landfarm, LLC

BILL TO Company:
Lazy Ace Landfarm, LLC

PO#

Project Manager:

Danny Berry

Address: (Street, City, Zip)

P. O. Box 180 Eunice, New Mexico 88231

Address:
P. O. Box 180 Eunice, New Mexico 88231

Fax#:

Phone #:

(505)369-5266

(505)397-2267

Project #:

Project Name:
Lazy Ace Landfarm

Project Location:

T20S R34E Sec 22M ~ Lea County -New Mexico

Samples/signatures

Rozanne Johnson (505)831-9810
rozanne@valomet.com

LAB #

FIELD CODE

LAB USE ONLY

H3611618

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2013)

TIME

MTBE 8021B/602

BTEX 8021B

TPH 8015M

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg 8010B/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

ANALYSIS REQUEST (Circle or Specify Method No.)

Qbhf !8!pg8

Relinquished by: **[Signature]** Date: **7/26/2013** Time: **10:50**

Received by: **[Signature]** Date: **8/10/2013** Time: **14:51**

Relinquished by: **[Signature]** Date: **8/10/2013** Time: **14:51**

Phone Results: **Yes** Fax Results: **Yes**

Additional Fax Number: **No**

Delivered By: (Circle One)

Sample: **UPS - Bus - Other:**

Sample Condition: **Cool** **Yes** **No**

Checked By: **[Signature]**

Email Results to: **rozanne@valomet.com**

#54

July 15, 2013

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 07/10/13 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

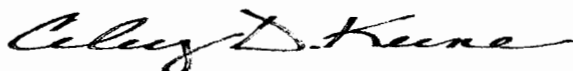
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-2 VADOSE ZONE-A (H301619-01)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

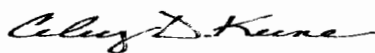
Surrogate: 1-Chlorooctane 89.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.5 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 the 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.



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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-2 VADOSE ZONE-B (H301619-02)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTEX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

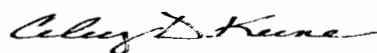
Surrogate: 1-Chlorooctane 91.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.9 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-2 VADOSE ZONE-C (H301619-03)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTEX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

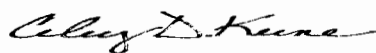
Surrogate: 1-Chlorooctane 82.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.6 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-2 VADOSE ZONE-D (H301619-04)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTEX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

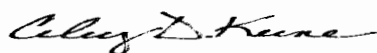
Surrogate: 1-Chlorooctane 85.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

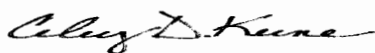
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

101 East Merland - Hobbs, New Mexico
88240
Tel: (575) 363-2326
Fax: (575) 363-2478

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:

Lazy Ace Landfarm, LLC

BILL TO Company:

Lazy Ace Landfarm, LLC

PO#

Project Manager:

Danny Berry

Address:

P. O. Box 160 Eunice, New Mexico 88231

Address: (Street, City, Zip)

P. O. Box 160 Eunice, New Mexico 88231

Phone #:

(575)369-5266

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:

Rozanne Johnson (575)831-8310
rozanne@valomet.com

LAB #

LAB USE ONLY

FIELD CODE

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2013)

TIME

MATRIX

PRESERVATIVE METHOD

SAMPLING

1 Cell A-2 Vadose Zone-A
2 Cell A-2 Vadose Zone-B
3 Cell A-2 Vadose Zone-C
4 Cell A-2 Vadose Zone-D

G G G G

1 1 1 1

X X X X

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Relinquished by:

Date: Time:

Received by:

Date: Time:

Phone Results

Yes No

Additional Fax Number:

Relinquished by:

Date: Time:

Received By: (Laboratory Staff)

Date: Time:

Remarks:

Delivered By: (Circle One)

Sample Condition

CHECKED BY:

Sampler - UPS - Bus - Other:

Yes

No

Cool

Yes

No

Intact

Yes

No

Initials

Signature

Date

Time

Signature

Date

Time

Signature

Date

Time

Signature

Date

Time

Signature

Date

Time

Signature

Date

Time

Signature

Date

Time

Signature

Date

Time

Signature

Date

Time

Signature

Email Results to: rozanne@valomet.com

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB Order ID #

Qbhf 18!pg8



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

July 15, 2013

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 07/10/13 16:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T205-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE-A (H301620-01)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

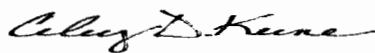
Surrogate: 1-Chlorooctane 92.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.3 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE-B (H301620-02)

BTEX 80218		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTEX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

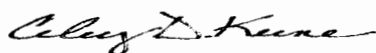
Surrogate: 1-Chlorooctane 86.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.3 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE-C (H301620-03)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTEX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

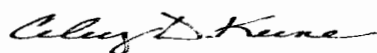
Surrogate: 1-Chlorooctane 88.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.6 % 63.6-154

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:	07/10/2013	Sampling Date:	06/28/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-R34E-SEC 22M-LEA CTY., NM		

Sample ID: CELL A-1 VADOSE ZONE-D (H301620-04)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00		
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905		
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330		
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114		
Total BTEX	<0.300	0.300	07/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/12/2013	ND	214	107	200	1.43	
DRO >C10-C28	<10.0	10.0	07/12/2013	ND	224	112	200	1.61	

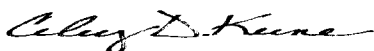
Surrogate: 1-Chlorooctane 81.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.1 % 63.6-154

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* = Accredited Analyte

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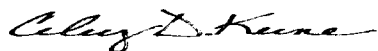
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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(575) 369-2476
Fax

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

LAB Order ID #

Company Name:
Lazy Ace Landfarm, LLC

Bill to Company:
Lazy Ace Landfarm, LLC

Address: (Street, City, Zip)

Project Manager:

Danny Berry

Address: (Street, City, Zip)

P. O. Box 160 Eunice, New Mexico 88231

Phone #: (575) 369-5266

Phone #: (575) 369-5266

Fax #: (575) 397-2267

Project Name:
Lazy Ace Landfarm

Project Location:

T20S R34E Sec 22M ~ Lea County -New Mexico

Sampler Signature:

TOZANNE JOHNSON (575) 831-8310

Sample Signature: **TOZANNE@VALIOMET.COM**

LAB #

LAB USE ONLY

1301620

FIELD CODE

Cell A-1 Vadose Zone-A
Cell A-1 Vadose Zone-B
Cell A-1 Vadose Zone-C
Cell A-1 Vadose Zone-D

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

H₂SO₄

ICE (1-4oz jar)

NONE

DATE (2013)

TIME

MTBE 8021B/802

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. 8280B/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

ANALYSIS REQUEST

(Circle or Specify Method No.)

Received by: **TOZANNE JOHNSON**
Date: **7-10-2013**
Time: **16:50**

Received by: **TOZANNE JOHNSON**
Date: **7-10-2013**
Time: **16:51**

Received by: **TOZANNE JOHNSON**
Date: **7-10-2013**
Time: **16:51**

Delivered By: (Circle One)

Sample - UPS - Bus - Other:

Sample Condition

Yes ☒ No ☐

CHECKED BY:

(Initials) **TOZANNE**

Email Results to: **TOZANNE@VALIOMET.COM**

REMARKS:

Phone Results

Yes

No

Additional Fax Number:

Yes

No

854

Qbhf I8!pg8