

**NM1 - 45**

**MONITORING  
REPORT**

**YEAR(S):**

**2010 - 2011**

October 20, 2011

RECEIVED OCD

2011 OCT 21 P 10:31

NMOCD Environmental  
ATTN: Brad Jones  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RE: JayDan Landfarm (NM-01-0045)  
Semi Annual Test  
Vadose & Treatment Zone Sampling

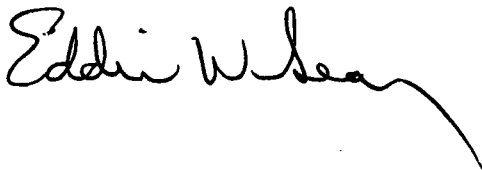
Mr. Jones:

Find enclosed the semi-annual sampling analysis for JayDan Landfarm as required.

The treatment zone samples were taken from 2 to 6 inches of surface, and the Vadose zone samples were taken from 3 to 4 feet below the treatment zone.

If you have any questions, please call.

Thanks,

A handwritten signature in black ink, appearing to read "Eddie W. Seay", with a long, sweeping underline that extends to the right.

Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
575-392-2236  
[seay04@leaco.net](mailto:seay04@leaco.net)

cc: JayDan Landfarm ( Danny Watson)

October 17, 2011

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: JAY DAN LAND FARM

Enclosed are the results of analyses for samples received by the laboratory on 10/11/11 9:15.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

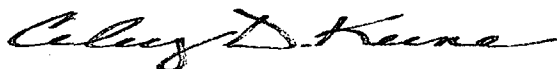
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 10/11/2011  
Reported: 10/17/2011  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

Sampling Date: 10/10/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 1 - V (H102184-01)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2011	ND	2.06	103	2.00	3.04	
Toluene*	<0.050	0.050	10/13/2011	ND	2.08	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/13/2011	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/13/2011	ND	6.25	104	6.00	1.08	

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/12/2011	ND	173	86.5	200	0.679	
DRO >C10-C28	<10.0	10.0	10/12/2011	ND	167	83.4	200	0.0336	

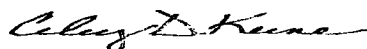
Surrogate: 1-Chlorooctane 104 % 55.5-154

Surrogate: 1-Chlorooctadecane 120 % 57.6-158

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:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 10/11/2011  
Reported: 10/17/2011  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

Sampling Date: 10/10/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 2 - V (H102184-02)**

BTEX 80218		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2011	ND	2.06	103	2.00	3.04	
Toluene*	<0.050	0.050	10/13/2011	ND	2.08	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/13/2011	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/13/2011	ND	6.25	104	6.00	1.08	

Surrogate: 4-Bromofluorobenzene (PIL) 98.8 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/12/2011	ND	173	86.5	200	0.679	
DRO >C10-C28	<10.0	10.0	10/12/2011	ND	167	83.4	200	0.0336	

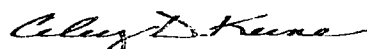
Surrogate: 1-Chlorooctane 97.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 113 % 57.6-158

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 10/11/2011  
Reported: 10/17/2011  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

Sampling Date: 10/10/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 3 - V (H102184-03)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2011	ND	2.06	103	2.00	3.04	
Toluene*	<0.050	0.050	10/13/2011	ND	2.08	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/13/2011	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/13/2011	ND	6.25	104	6.00	1.08	

Surrogate: 4-Bromofluorobenzene (PIL) 98.3 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2011	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/12/2011	ND	173	86.5	200	0.679	
DRO >C10-C28	<10.0	10.0	10/12/2011	ND	167	83.4	200	0.0336	

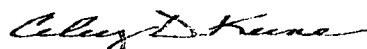
Surrogate: 1-Chlorooctane 99.2 % 55.5-154

Surrogate: 1-Chlorooctadecane 116 % 57.6-158

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Eddie Seay Consulting  
 Eddie Seay  
 601 W. Illinois  
 Hobbs NM, 88242  
 Fax To: (505) 392-6949

 Received: 10/11/2011  
 Reported: 10/17/2011  
 Project Name: JAY DAN LAND FARM  
 Project Number: JAY DAN LANDFARM  
 Project Location: W. LOVINGTON

 Sampling Date: 10/10/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: CELL 1 - T (H102184-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/12/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	10/12/2011	ND	173	86.5	200	0.679	
DRO >C10-C28	1410	50.0	10/12/2011	ND	167	83.4	200	0.0336	

Surrogate: 1-Chlorooctane 117% 55.5-154

Surrogate: 1-Chlorooctadecane 126% 57.6-158

**Sample ID: CELL 2 - T (H102184-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/12/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	10/13/2011	ND	173	86.5	200	0.679	
DRO >C10-C28	160	50.0	10/13/2011	ND	167	83.4	200	0.0336	

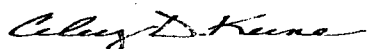
Surrogate: 1-Chlorooctane 108% 55.5-154

Surrogate: 1-Chlorooctadecane 112% 57.6-158

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

QM-01      The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

ND          Analyte NOT DETECTED at or above the reporting limit

RPD        Relative Percent Difference

\*\*          Samples not received at proper temperature of 6°C or below.

\*\*\*        Insufficient time to reach temperature.

-           Chloride by SM4500Cl-B does not require samples be received at or below 6°C

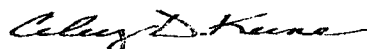
             Samples reported on an as received basis (wet) unless otherwise noted on report

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**Cardinal Laboratories**

\* = Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager



April 29, 2011

RECEIVED OCD  
2011 MAY -4 A 11:03

NMOCD Environmental  
ATTN: Brad Jones  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RE: JayDan Landfarm (NM-01-0045)  
Semi Annual Test  
Vadose & Treatment Zone Sampling

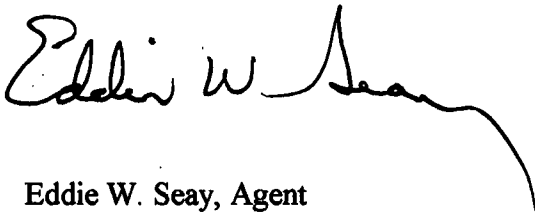
Mr. Hansen:

Find enclosed the semi-annual sampling analysis for JayDan Landfarm as required.

The treatment zone samples were taken from 2 to 6 inches of surface, and the Vadose zone samples were taken from 3 to 4 feet below the treatment zone.

If you have any questions, please call.

Thanks,



Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
575-392-2236  
[seay04@leaco.net](mailto:seay04@leaco.net)

cc: JayDan Landfarm ( Danny Watson)



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

---

April 19, 2011

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: JAY DAN LAND FARM

Enclosed are the results of analyses for samples received by the laboratory on 04/13/11 14:15.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 04/13/2011  
Reported: 04/19/2011  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

Sampling Date: 04/13/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 1 - T (H100748-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/14/2011	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2011	ND	209	104	200	1.98	
DRO >C10-C28	500	10.0	04/16/2011	ND	207	103	200	6.74	
Surrogate: 1-Chlorooctane		99.0 %	70-130						
Surrogate: 1-Chlorooctadecane		98.2 %	70-130						

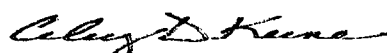
**Sample ID: CELL 2 - T (H100748-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/14/2011	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2011	ND	209	104	200	1.98	
DRO >C10-C28	449	10.0	04/16/2011	ND	207	103	200	6.74	
Surrogate: 1-Chlorooctane		104 %	70-130						
Surrogate: 1-Chlorooctadecane		105 %	70-130						

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 04/13/2011  
Reported: 04/19/2011  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

Sampling Date: 04/13/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 3 - T (H100748-03)****Chloride, SM4500Cl-B**

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/14/2011	ND	432	108	400	3.77	

**TPH 8015M**

mg/kg

Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.7	10.0	04/16/2011	ND	209	104	200	1.98	
DRO >C10-C28	1550	10.0	04/16/2011	ND	207	103	200	6.74	

Surrogate: 1-Chlorooctane 96.1 % 70-130

Surrogate: 1-Chlorooctadecane 93.8 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 04/13/2011  
Reported: 04/19/2011  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

Sampling Date: 04/13/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 1 - V (H100748-04)**
**BTEX 80218**

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2011	ND	2.21	110	2.00	8.32	
Toluene*	<0.050	0.050	04/19/2011	ND	2.20	110	2.00	8.69	
Ethylbenzene*	<0.050	0.050	04/19/2011	ND	2.22	111	2.00	8.23	
Total Xylenes*	<0.150	0.150	04/19/2011	ND	6.56	109	6.00	8.25	

Surrogate: 4-Bromofluorobenzene (PIL) 91.2 % 70-130

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/14/2011	ND	432	108	400	3.77	

**TPH 8015M**

mg/kg

Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2011	ND	209	104	200	1.98	
DRO >C10-C28	12.7	10.0	04/16/2011	ND	207	103	200	6.74	

Surrogate: 1-Chlorooctane 97.5 % 70-130

Surrogate: 1-Chlorooctadecane 96.8 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 04/13/2011  
Reported: 04/19/2011  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

Sampling Date: 04/13/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 2 - V (H100748-05)**
**BTEX 8021B**

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2011	ND	2.21	110	2.00	8.32	
Toluene*	<0.050	0.050	04/19/2011	ND	2.20	110	2.00	8.69	
Ethylbenzene*	<0.050	0.050	04/19/2011	ND	2.22	111	2.00	8.23	
Total Xylenes*	<0.150	0.150	04/19/2011	ND	6.56	109	6.00	8.25	

Surrogate: 4-Bromofluorobenzene (PIL) 97.1 % 70-130

**Chloride, SM4500CI-B**

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/14/2011	ND	432	108	400	3.77	

**TPH 8015M**

mg/kg

Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2011	ND	209	104	200	1.98	
DRO >C10-C28	18.5	10.0	04/16/2011	ND	207	103	200	6.74	

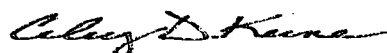
Surrogate: 1-Chlorooctane 96.5 % 70-130

Surrogate: 1-Chlorooctadecane 95.8 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 04/13/2011  
Reported: 04/19/2011  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

Sampling Date: 04/13/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 3 - V (H100748-06)**
**BTEX 80218**
**mg/kg**
**Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2011	ND	2.21	110	2.00	8.32	
Toluene*	<0.050	0.050	04/18/2011	ND	2.20	110	2.00	8.69	
Ethylbenzene*	<0.050	0.050	04/18/2011	ND	2.22	111	2.00	8.23	
Total Xylenes*	<0.150	0.150	04/18/2011	ND	6.56	109	6.00	8.25	

Surrogate: 4-Bromofluorobenzene (PIL) 92.8 % 70-130

**Chloride, SM4500Cl-B**
**mg/kg**
**Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/14/2011	ND	432	108	400	3.77	

**TPH 8015M**
**mg/kg**
**Analyzed By: AB**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2011	ND	209	104	200	1.98	
DRO >C10-C28	<10.0	10.0	04/16/2011	ND	207	103	200	6.74	

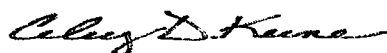
Surrogate: 1-Chlorooctane 106 % 70-130

Surrogate: 1-Chlorooctadecane 107 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 04/13/2011  
Reported: 04/19/2011  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

Sampling Date: 04/13/2011  
Sampling Type: Water  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: JD - WW #1 (H100748-07)****Chloride, SM4500Cl-B**

mg/L

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	4.00	04/14/2011	ND	104	104	100	0.00	

**TPH 8015M**

mg/L

Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	04/19/2011	ND	25.7	103	25.0	1.46	
DRO >C10-C28	<1.00	1.00	04/19/2011	ND	25.4	102	25.0	4.47	


Surrogate: 1-Chlorooctane 117 % 70-130

Surrogate: 1-Chlorooctadecane 117 % 70-130

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

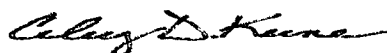
Z-01	Surrogates above historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at 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

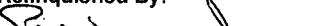




## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

**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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 		Date: 4/13 Time: 2:15		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No    Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No    Add'l Fax #: _____ REMARKS:	
Relinquished By:		Date:  Time:		Received By:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: (Initials) 			

#26

September 8, 2010

RECEIVED DOCD

2010 SEP 13 A 8:29

NMOCD Environmental  
ATTN: Edward Hansen  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RE: JayDan Landfarm (NM-01-0045)  
Semi Annual  
Vadose & Treatment Zone Sampling

Mr. Hansen:

Find enclosed the semi-annual sampling analysis for JayDan Landfarm as required.

There was one sample in cell 2 that showed elevated TPH. I do not know what the problem was. I have resampled this cell and the results are attached. We will compare with next sampling event.

Should you have any questions, please call.

Thanks,



Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
575-392-2236  
[seay04@leaco.net](mailto:seay04@leaco.net)

cc: JayDan Landfarm



August 23, 2010

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: JAY DAN LAND FARM

Enclosed are the results of analyses for samples received by the laboratory on 08/17/10 8:50.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene For Nick Fullerton  
Owner

**Analytical Results For:**

 Eddie Seay Consulting  
 Eddie Seay  
 601 W. Illinois  
 Hobbs NM, 88242  
 Fax To: (505) 392-6949

 Received: 08/17/2010  
 Reported: 08/23/2010  
 Project Name: JAY DAN LAND FARM  
 Project Number: JAY DAN LF  
 Project Location: W. LOVINGTON

 Sampling Date: 08/16/2010  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: CELL 1-T (H020656-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	08/18/2010	ND	448	112	400	3.64	
TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/17/2010	ND	169	84.7	200	1.68	
<b>DRO &gt;C10-C28</b>	<b>401</b>	10.0	08/17/2010	ND	165	82.3	200	2.36	
Surrogate: 1-Chlorooctane	93.7 %	70-130							
Surrogate: 1-Chlorooctadecane	116 %	70-130							

**Sample ID: CELL 2-T (H020656-02)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	08/18/2010	ND	448	112	400	3.64	
TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/17/2010	ND	169	84.7	200	1.68	
<b>DRO &gt;C10-C28</b>	<b>1950</b>	50.0	08/17/2010	ND	165	82.3	200	2.36	
Surrogate: 1-Chlorooctane	17.9 %	70-130							
Surrogate: 1-Chlorooctadecane	20.3 %	70-130							

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene For Nick Fullerton, Owner

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 08/17/2010  
Reported: 08/23/2010  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LF  
Project Location: W. LOVINGTON

Sampling Date: 08/16/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 3-T (H020656-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/18/2010	ND	448	112	400	3.64	
TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/17/2010	ND	169	84.7	200	1.68	
DRO >C10-C28	1590	10.0	08/17/2010	ND	165	82.3	200	2.36	
Surrogate: 1-Chlorooctane	98.2 %	70-130							
Surrogate: 1-Chlorooctadecane	86.3 %	70-130							

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene For Nick Fullerton, Owner

**Analytical Results For:**

 Eddie Seay Consulting  
 Eddie Seay  
 601 W. Illinois  
 Hobbs NM, 88242  
 Fax To: (505) 392-6949

 Received: 08/17/2010  
 Reported: 08/23/2010  
 Project Name: JAY DAN LAND FARM  
 Project Number: JAY DAN LF  
 Project Location: W. LOVINGTON

 Sampling Date: 08/16/2010  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: CELL 1-V (H020656-04)**

BTX 8021B		mg/kg		Analyzed By: ZL					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2010	ND	1.11	111	1.00	3.12	
Toluene*	<0.050	0.050	08/23/2010	ND	0.907	90.7	1.00	6.95	
Ethylbenzene*	<0.050	0.050	08/23/2010	ND	0.900	90.0	1.00	1.93	
Total Xylenes*	<0.150	0.150	08/23/2010	ND	3.16	105	3.00	2.99	

Surrogate 4-Bromofluorobenzene (PIL) 86.9 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2010	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/17/2010	ND	169	84.7	200	1.68	
DRO >C10-C28	<10.0	10.0	08/17/2010	ND	165	82.3	200	2.36	

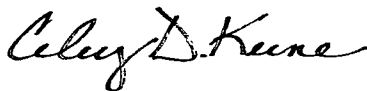
Surrogate 1-Chlorooctane 104 % 70-130

Surrogate 1-Chlorooctadecane 106 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene For Nick Fullerton, Owner

**Analytical Results For:**

 Eddie Seay Consulting  
 Eddie Seay  
 601 W. Illinois  
 Hobbs NM, 88242  
 Fax To: (505) 392-6949

 Received: 08/17/2010  
 Reported: 08/23/2010  
 Project Name: JAY DAN LAND FARM  
 Project Number: JAY DAN LF  
 Project Location: W. LOVINGTON

 Sampling Date: 08/16/2010  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: CELL 2-V (H020656-05)**

BTEX 8021B		mg/kg		Analyzed By: ZL					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2010	ND	1.11	111	1.00	3.12	
Toluene*	<0.050	0.050	08/18/2010	ND	0.907	90.7	1.00	6.95	
Ethylbenzene*	<0.050	0.050	08/18/2010	ND	0.900	90.0	1.00	1.93	
Total Xylenes*	<0.150	0.150	08/18/2010	ND	3.16	105	3.00	2.99	

Surrogate: 4-Bromofluorobenzene (PIL) 99.3 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2010	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/18/2010	ND	169	84.7	200	1.68	
DRO >C10-C28	454	10.0	08/18/2010	ND	165	82.3	200	2.36	

Surrogate: 1-Chlorooctane 93.0 % 70-130

Surrogate 1-Chlorooctadecane 98.6 % 70-130

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Celey D. Keene For Nick Fullerton, Owner



**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 08/17/2010  
Reported: 08/23/2010  
Project Name: JAY DAN LAND FARM  
Project Number: JAY DAN LF  
Project Location: W. LOVINGTON

Sampling Date: 08/16/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 3-V (H020656-06)**

BTX 8021B		mg/kg	Analyzed By: ZL						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/18/2010	ND	1.11	111	1.00	3.12	
Toluene*	<0.050	0.050	08/18/2010	ND	0.907	90.7	1.00	6.95	
Ethylbenzene*	<0.050	0.050	08/18/2010	ND	0.900	90.0	1.00	1.93	
Total Xylenes*	<0.150	0.150	08/18/2010	ND	3.16	105	3.00	2.99	

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 80-120

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/18/2010	ND	448	112	400	3.64	

TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/18/2010	ND	169	84.7	200	1.68	
DRO >C10-C28	<10.0	10.0	08/18/2010	ND	165	82.3	200	2.36	

Surrogate: 1-Chlorooctane 105 % 70-130

Surrogate: 1-Chlorooctadecane 111 % 70-130

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 For Nick Fullerton, Owner

**Analytical Results For:**

 Eddie Seay Consulting  
 Eddie Seay  
 601 W. Illinois  
 Hobbs NM, 88242  
 Fax To: (505) 392-6949

 Received: 08/17/2010  
 Reported: 08/23/2010  
 Project Name: JAY DAN LAND FARM  
 Project Number: JAY DAN LF  
 Project Location: W. LOVINGTON

 Sampling Date: 08/16/2010  
 Sampling Type: Water  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: JD - WW #1 (H020656-07)**

Chloride, SM4500Cl-B		mg/L	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	52.0	4.00	08/17/2010	ND	108	108	100	0.00	
TPH 8015M		mg/L	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	08/18/2010	ND	19.9	79.6	25.0	2.48	
DRO >C10-C28	<1.00	1.00	08/18/2010	ND	19.3	77.4	25.0	28.3	
Surrogate 1-Chlorooctane	99.7 %	70-130							
Surrogate 1-Chlorooctadecane	102 %	70-130							

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene For Nick Fullerton, Owner



# CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Eddie Seay Consulting</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																							
Project Manager: <u>Eddie Seay</u>		P.O. #:		<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"><div>BTEX</div><div>TPH (9015)</div><div>Chlorides</div></div>																							
Address: <u>601 W ILLINOIS</u>		Company:																									
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88242</u>		Attn:																									
Phone #: <u>392-2236</u> Fax #: <u>392-6949</u>		Address:																									
Project #: <u>Jay Dan LE</u> Project Owner: <u>D. Watson</u>		City: <u>Same</u>																									
Project Name: <u>Jay Dan Hunt Farm Semi Annual</u>		State: Zip:																									
Project Location: <u>W. Livingston</u>		Phone #:																									
Sampler Name: <u>Eddie Seay</u>		Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
H20656-1	Cell 1 - T	✓	1			✓				✓			8/16	9:30		✓	✓										
2	Cell 2 - T	✓	1			✓				✓			8/16	10:10		✓	✓										
3	Cell 3 - T	✓	1			✓				✓			8/16	10:40		✓	✓										
4	Cell 1 - V	✓	1			✓				✓			8/16	11:20	✓	✓	✓										
5	Cell 2 - V	✓	1			✓				✓			8/16	12:00	✓	✓	✓										
6	Cell 3 - V	✓	1			✓				✓			8/16	12:45	✓	✓	✓										
7	JD - WW #1	✓	1	✓						✓			8/16	1:30		✓	✓										

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Relinquished By: <u>[Signature]</u>	Date: <u>8/17</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>8:50</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:	Date:	Received By: <u>Jodi Jensen</u>	REMARKS:
	Time:		
Delivered By: (Circle One)	Sample Condition	CHECKED BY: <u>[Signature]</u>	
Sampler - UPS - Bus - Other:	Cool Intact	(Initials)	
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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

#26

**Notes and Definitions**

- S-06            The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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 For Nick Fullerton, Owner

September 01, 2010

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

Re  
Cell Test  
11-2-11

RE: JAY DAN LAND FARM

Enclosed are the results of analyses for samples received by the laboratory on 08/31/10 8:45.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene For Nick Fullerton  
Owner

**Analytical Results For:**

Eddie Seay Consulting  
Eddie Seay  
601 W. Illinois  
Hobbs NM, 88242  
Fax To: (505) 392-6949

Received: 08/31/2010  
Reported: 09/01/2010  
Project Name: JAY DAN LAND FARM  
Project Number: NONE GIVEN  
Project Location: W. LOVINGTON

Sampling Date: 08/30/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL 2-V (H020766-01)**

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	08/31/2010	ND	2630	105	2500	0.792	
Toluene*	<0.050	0.050	08/31/2010	ND	2460	98.4	2500	0.106	
Ethylbenzene*	<0.050	0.050	08/31/2010	ND	2580	103	2500	0.543	
Total Xylenes*	<0.150	0.150	08/31/2010	ND	7640	102	7500	1.20	

Surrogate 4-Bromofluorobenzene (PIL) 104 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/31/2010	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/31/2010	ND	163	81.7	200	2.10	
DRO >C10-C28	<10.0	10.0	08/31/2010	ND	181	90.7	200	4.83	

Surrogate 1-Chlorooctane 77.1 % 70-130

Surrogate 1-Chlorooctadecane 88.3 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celest D. Keene For Nick Fullerton, Owner

## 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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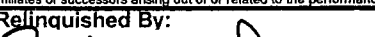

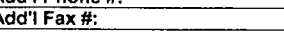

Celey D. Keene For Nick Fullerton, Owner



**(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By: 		Date: <u>8/31</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: <u>8:45</u>		Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By: 	REMARKS: <u>ASAP</u> 	
		Time:			
Delivered By: (Circle One)			Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:			Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)	
5.5%			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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

#26



February 24, 2010

RECEIVED

2010 MAR 1 PM 1 46

NMOCD Environmental  
ATTN: Edward Hansen  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

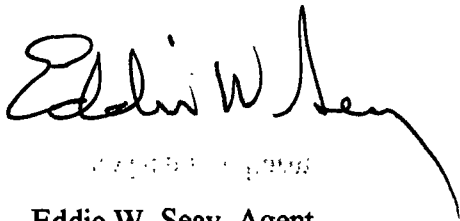
RE: JayDan Landfarm (NM-01-0045)  
Semi Annual Sampling

Mr. Hansen:

Find enclosed the semi-annual sampling at JayDan Landfarm. Both the treatment zone and Vadose zone was analyzed. The Vadose zone sampling was taken at a depth of approximately four feet below the cell lift and sample holes backfilled with bentonite clay.

Should you have any questions, please call.

Sincerely,



Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
575-392-2236  
[Seay04@leaco.net](mailto:Seay04@leaco.net)

cc: JayDan Landfarm



# CARDINAL LABORATORIES

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

---

February 18, 2010

Eddie Seay  
Eddie Seay Consulting  
601 West Illinois  
Hobbs, NM 88242

Re: Jay Dan Landfarm

Enclosed are the results of analyses for sample number H19243, received by the laboratory on 02/10/10 at 11:15 am.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Laboratory Director

---

This report conforms with NELAP requirements.



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

ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (575) 392-6949

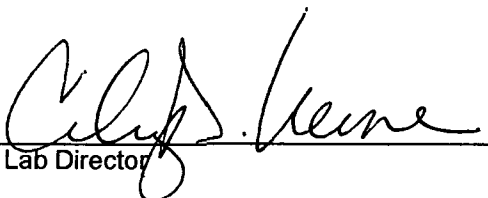
Receiving Date: 02/10/10  
Reporting Date: 02/15/10  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: W. LOVINGTON

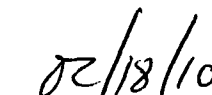
Sampling Date: 02/09/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 5.5°C  
Sample Received By: JH  
Analyzed By: ZL

LAB NUMBER	SAMPLE ID				
		BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		02/17/10	02/17/10	02/17/10	02/17/10
H19243-4	CELL 1-V	<0.050	<0.050	<0.050	<0.300
H19243-5	CELL 2-V	<0.050	<0.050	<0.050	<0.300
H19243-6	CELL 3-V	<0.050	<0.050	<0.050	<0.300
Quality Control		0.044	0.046	0.044	0.128
True Value QC		0.050	0.050	0.050	0.150
% Recovery		88.0	92.0	88.0	85.3
Relative Percent Difference		<1.0	<1.0	1.0	1.2

METHOD: EPA SW-846 8021B

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

  
Lab Director

  
Date

ANALYTICAL RESULTS FOR  
 EDDIE SEAY CONSULTING  
 ATTN: EDDIE SEAY  
 601 W. ILLINOIS  
 HOBBS, NM 88242  
 FAX TO: (575) 392-6949

Receiving Date: 02/10/10  
 Reporting Date: 02/15/10  
 Project Owner: D. WATSON  
 Project Name: JAY DAN LANDFARM  
 Project Location: W. LOVINGTON

Sampling Date: 02/09/10  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT @ 5.5°C  
 Sample Received By: JH  
 Analyzed By: AB/HM


LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	Cl* (mg/kg)
		02/12/10	02/12/10	02/10/10
H19243-1	CELL 1-T	<10.0	1,710	128
H19243-2**	CELL 2-T	<10.0	494	320
H19243-3	CELL 3-T	<10.0	2,140	112
H19243-4	CELL 1-V	<10.0	<10.0	< 16
H19243-5	CELL 2-V	<10.0	<10.0	16
H19243-6	CELL 3-V	<10.0	<10.0	< 16
Quality Control		584	469	500
True Value QC		500	500	500
% Recovery		117	93.8	100
Relative Percent Difference		2.5	1.0	2.0

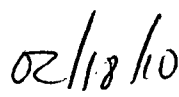
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Std. Methods 4500-ClB

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

\*\*TPH second surrogate outside historical limits due to matrix interference.

Not accredited for GRO/DRO and Chloride.

  
 Lab Director

  
 Date

H19243 TCL SEAY



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

ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (575) 392-6949

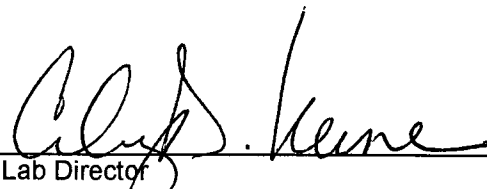
Receiving Date: 02/10/10  
Reporting Date: 02/15/10  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: W. LOVINGTON


Sampling Date: 02/09/10  
Sample Type: WATER  
Sample Condition: COOL & INTACT @ 5.5°C  
Sample Received By: JH  
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/L)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/L)	(mg/L)
ANALYSIS DATE		02/11/10	02/11/10	02/10/10
H19243-7	JD WW #1	<1.00	<1.00	48
Quality Control		526	510	500
True Value QC		500	500	500
% Recovery		105	102	100
Relative Percent Difference		0.8	<0.1	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Std. Methods 4500-Cl<sup>-</sup>B

Not accredited for GRO/DRO and Chloride.

  
Lab Director

  
Date

H19243 TCL SEAY



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(575) 393-2326 Fax (575) 393-2476

Page        of       

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Sampler Relinquished:		Date: <u>2/10</u>		Received By:		Phone Result: <input type="checkbox"/> No		Add'l Phone #:	
 Relinquished By:		Time: <u>11:15</u>		 Received By:		Fax Result: <input type="checkbox"/> No		Add'l Fax #:	
		Date: <u>2/10/10</u> Time: <u>11:15</u>							
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Temp. <u>5.5°C</u> Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <u>JA</u>		REMARKS:			

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

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