

NM1 - 45

# MONITORING REPORTS

YEAR(S):

2007-2008

RECEIVED

2007 NOV 7 PM 2 30

November 5, 2007

NMOCD Environmental  
ATTN: Brad Jones  
1220 S. Saint Francis Drive  
Santa Fe, NM 87504

NM 1-845

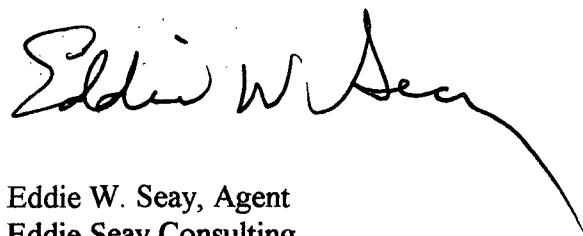
RE: Jay Dan Landfarm  
Quarterly Report

Mr. Jones:

Find attached the analytical for the treatment zone at the various cells at Jay Dan Landfarm. Samples were taken at approximately three feet below the cell lift, and sample holes backfilled with bentonite. An inspection was conducted of the facility during sampling, and all was in compliance.

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

*[Faint, illegible text at the bottom of the page, likely a carbon copy or bleed-through from the reverse side.]*



# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

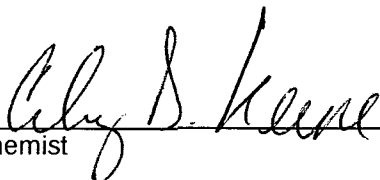
ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (575) 392-6949

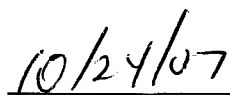
Receiving Date: 10/23/07  
Reporting Date: 10/24/07  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 10/22/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI
		(C <sub>6</sub> -C <sub>12</sub> ) (mg/L)	(>C <sub>12</sub> -C <sub>28</sub> ) (mg/L)	(mg/L)
ANALYSIS DATE		10/23/07	10/23/07	10/23/07
H13562-3	MW-1	<5.0	<5.0	44.0
Quality Control		435	378	490
True Value QC		500	500	500
% Recovery		87.0	76.0	98.0
Relative Percent Difference		13.1	3.0	4.0

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

  
Chemist

  
Date

H13562TCL SEAY

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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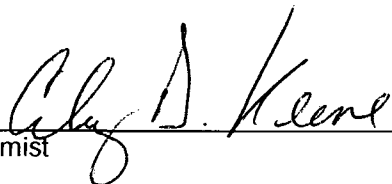
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FAX TO: (575) 392-6949

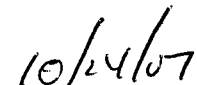
Receiving Date: 10/23/07  
Reporting Date: 10/24/07  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 10/22/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: CK

LAB NUMBER	SAMPLE ID	GRO	DRO
		(C <sub>6</sub> -C <sub>12</sub> ) (mg/kg)	(>C <sub>12</sub> -C <sub>28</sub> ) (mg/kg)
ANALYSIS DATE		10/23/07	10/23/07
H13562-1	CELL 1	<10.0	<10.0
H13562-2	CELL 2	<10.0	<10.0
Quality Control		435	378
True Value QC		500	500
% Recovery		87.0	76.0
Relative Percent Difference		13.1	3.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M

  
\_\_\_\_\_  
Chemist

  
\_\_\_\_\_  
Date

H13562T SEAY

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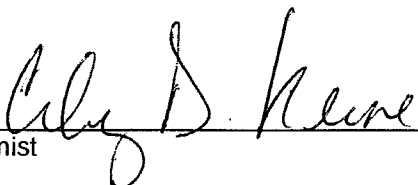
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601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (575) 392-6949

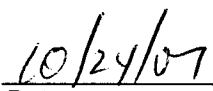
Receiving Date: 10/23/07  
Reporting Date: 10/24/07  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 10/22/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		10/23/07	10/23/07	10/23/07	10/23/07
H13562-1	CELL 1	<0.001	<0.001	<0.001	<0.003
H13562-2	CELL 2	<0.001	<0.001	<0.001	<0.003
Quality Control		0.111	0.105	0.105	0.320
True Value QC		0.100	0.100	0.100	0.300
% Recovery		111	105	105	107
Relative Percent Difference		2.9	5.6	4.6	4.5

METHOD: EPA SW-846 8021B

  
Chemist

  
Date

H13562B SEAY

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**ARDINAL LABORATORIES**

Company Name: Eddie Sany Consulting  
Project Manager: Eddie Sany

Address: 601 W Illinois

City: 110005 State: NM Zip: 88242

Phone #: 2-2236 Fax #: 2-6949

Project #: 2007-0001  
Project Name: 2007-0001  
Project Owner: D. Watson

Project Location: Lowville

Sampler Name: Eddy (a) Samy

**FOR LAB USE ONLY**

Lab I.D. | Sample I.D.

H/3562-1	Cell 1
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Call 2

3mw.1

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**Relinquished By:**

Time: 0-15

Relinquished By:

1

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

1

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

RECEIVED  
2007 AUG 3 PM 12 24

July 31, 2007

NMOCD Environmental  
ATTN: Brad Jones  
1220 S. Saint Francis Drive  
Santa Fe, NM 87504

RE: JayDan Landfarm  
Quarterly Test

NM 1-0045

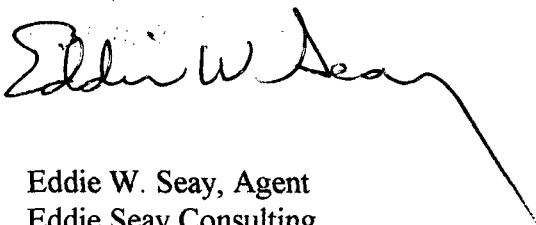
Mr. Jones:

Find attached the quarterly test for JayDan Landfarm and water well. The soil samples were taken at two to three feet below the lift at each cell, and test holes backfilled with bentonite.

During sampling an inspection was conducted of the facility, and all appeared to be in compliance.

Should you have any questions, please call.

Sincerely,



Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
(505)392-2236  
seay04@leaco.net



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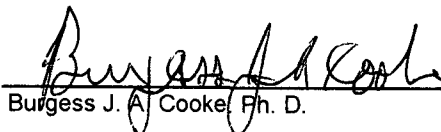
ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88241  
FAX TO: (505) 398-6949

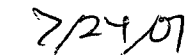
Receiving Date: 07/19/07  
Reporting Date: 07/24/07  
Project Owner: DANNY WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 07/18/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AB

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		07/20/07	07/20/07	07/19/07	07/19/07	07/19/07	07/19/07
H12934-1	CELL #1	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
H12934-2	CELL #2	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
Quality Control		745	762	0.116	0.105	0.106	0.324
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		93.1	95.3	116	105	106	108
Relative Percent Difference		3.2	3.6	12.1	13.0	13.9	14.1

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

  
Burgess J. Cooke, Ph. D.

  
Date

H12934A SEAY

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.





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LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240


ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88241  
FAX TO: (505) 398-6949

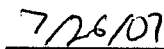
Receiving Date: 07/19/07  
Reporting Date: 07/26/07  
Project Owner: DANNY WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 07/18/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/KS

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/L)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/L)	CI (mg/L)
ANALYSIS DATE		07/25/07	07/25/07	07/19/07
H12934-3	MW #1	<5.0	<5.0	44
Quality Control		27.5	29.6	780
True Value QC		30.0	30.0	500
% Recovery		91.7	98.6	96.0
Relative Percent Difference		1.4	1.1	2.0

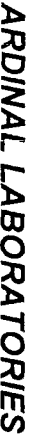
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI-B

  
Chemist

  
Date

H12934B SEAY

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

May 7, 2007

2007 MAY 11 PM 12:19

NMOCD Environmental  
ATTN: Brad Jones  
1220 S. Saint Francis Drive  
Santa Fe, NM 87504

NM 1 - 8245

RE: Jay Dan Landfarm  
Yearly Treatment Zone Test

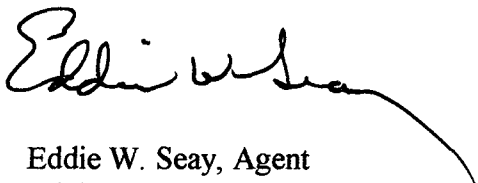
Mr. Jones:

Find within the yearly test for the various cells at Jay Dan Landfarm. The samples were taken at two to three feet below the cell lift, and sample holes plugged with bentonite.

During sampling, an inspection was conducted on the facility and all appeared to be in compliance.

If you should have any questions, please call.

Sincerely,



Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
(505)392-2236  
seay04@leaco.net

cc: Jay Dan Landfarm



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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

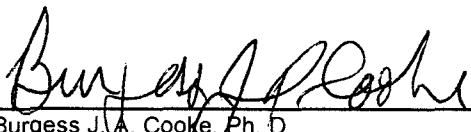
ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

Receiving Date: 04/20/07  
Reporting Date: 04/24/07  
Project Owner: DANNY WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: W. LOVINGTON, NM

Sampling Date: 04/19/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		04/20/07	04/20/07	04/23/07	04/23/07	04/23/07	04/23/07
H12483-1	CELL #1	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H12483-2	CELL #2	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Control		780	791	0.104	0.104	0.105	0.293
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		97.5	98.9	104.0	104	105	97.6
Relative Percent Difference		4.4	0.6	5.1	6.2	2.6	3.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

  
Burgess J. A. Cooke, Ph. D.

4/24/07  
Date

H12483A1 SEAY

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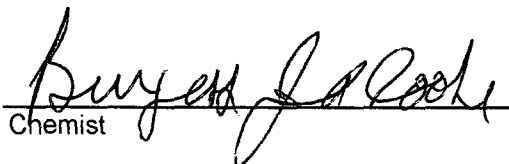
ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

Receiving Date: 04/20/07  
Reporting Date: 04/24/07  
Project Owner: DANNY WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: W. LOVINGTON, NM

Sampling Date: 04/19/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/L)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/L)	CI (mg/L)
ANALYSIS DATE		04/21/07	04/21/07	04/20/07
H12483-3	MW #1	<5.0	<5.0	46
Quality Control		29.0	29.9	480
True Value QC		30.0	30.0	500
% Recovery		96.8	99.8	96.0
Relative Percent Difference		3.0	2.3	2.1

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

  
Chemist

4/24/07  
Date

H12483A2 SEAY

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ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

Receiving Date: 04/20/07  
Reporting Date: 04/25/07  
Project Owner: DANNY WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: W. LOVINGTON, NM

Sampling Date: 04/19/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity ( $\mu$ S/cm)	T-Alkalinity (mgCaCO <sub>3</sub> /Kg)
ANALYSIS DATE:		04/23/07	04/23/07	04/23/07	04/23/07	04/20/07	04/23/07
H12483-1	CELL #1	124	117	16	18.8	316	336
H12483-2	CELL #2	< 1	85.2	25.8	12.9	133	256
Quality Control		NR	51.9	49.2	1.94	1389	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	104	98.4	97	98.3	NR
Relative Percent Difference		NR	13.8	9.5	0.5	0.6	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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	Cl <sup>-</sup> (mg/Kg)	SO <sub>4</sub> (mg/Kg)	CO <sub>3</sub> (mg/Kg)	HCO <sub>3</sub> (mg/Kg)	pH (s.u.)	TDS (mg/Kg)
ANALYSIS DATE:	04/20/07	04/23/07	04/23/07	04/23/07	04/20/07	04/23/07
H12483-1      CELL #1	< 16	0.8	0	410	7.44	-
H12483-2      CELL #2	< 16	13.3	0	312	7.81	-
Quality Control	490	23.1	NR	952	6.93	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	98	92.5	NR	95.2	99	NR
Relative Percent Difference	2.1	3.4	NR	1.3	0.4	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
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Chemist

Date

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PHONE (505) 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: (505) 392-6949

Receiving Date: 04/20/07  
 Reporting Date: 04/25/07  
 Project Owner: DANNY WATSON  
 Project Name: JAY DAN LANDFARM  
 Project Location: W. LOVINGTON, NM

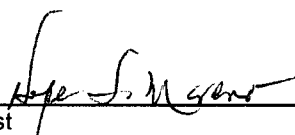
Sampling Date: 04/19/07  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: NF  
 Analyzed By: HM

TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
---------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

ANALYSIS DATE:	04/23/07	04/21/07	04/25/07	04/21/07	04/21/07	04/21/07	04/25/07	04/23/07
EPA LIMITS:	5	5	100	1	5	5	0.2	1
H12483-1 CELL #1	< 1	< 1	< 5	< 0.1	< 1	< 1	< 0.02	< 0.1
H12483-2 CELL #2	< 1	< 1	< 5	< 0.1	< 1	< 1	< 0.02	< 0.1
Quality Control	0.151	2.11	73.9	2.06	1.89	1.90	0.0096	0.143
True Value QC	0.150	2.00	75.0	2.00	2.00	2.00	0.0100	0.150
% Recovery	101	106	98.5	103	94.5	95	96	95.3
Relative Standard Deviation	2.1	0.3	3.6	0.3	0.5	0.4	4.2	3

METHODS: EPA 1311, 600/4-91/010	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
---------------------------------	-------	-------	-------	-------	-------	-------	-------	-------

  
 Chemist

04-26-07  
 Date

H12483TM

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**CARDINAL LABORATORIES, INC.**

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

**ANALYSIS REQUEST**

Company Name: Eddie's Spay Consulting PO #:

Project Manager: Eddie's Spay Company:

Address: 601 W Illinois State: TX Zip: 79603

City: Hobbs Attn: [Signature]

Phone #: 2-223-6 Address: [Signature]

Fax #: 2-694-9 City: [Signature] State: [Signature] Zip: [Signature]

Project #: 544 Dan Project Owner: Danny Watson

Project Name: 544 Dan Landfarm Phone #: [Signature]

Project Location: W. Livingston Fax #: [Signature]

FOR LAB USE ONLY

LAB I.D.	Sample I.D.	MATRIX				PRES.	SAMPLING				
		GROUNDWATER	WASTEWATER	SOIL	SLUDGE		OTHER:	ACID:	ICE/COOL	OTHER:	
412483-1	Cell #1	✓						✓		DATE: 4/19	TIME: 2:20
-2	Cell #2	✓						✓		"	3:00
-3	MW #1	✓						✓		"	3:30

BT EX (8015) TGLP Mofl Col. L. Col. L. / Anions

PLEASE NOTE: Laboratory and client's liability for any loss of samples or data is limited to the amount paid by the client for the analysis. All claims for negligence and any other claims whatsoever shall be deemed waived by the client upon receipt of the analysis. 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. No portion of the amount paid by client shall be used to offset any of the above stated limitations or exclusions.

Sampler Relinquished: [Signature] Date: 4/20 Received By: [Signature]

Relinquished By: [Signature] Time: 8:15 Received By: (Lab Staff) Date: [Signature] Time: [Signature]

Delivered By: (Circle One) [Signature] Checked By: [Signature]

Sampler - UPS - Bus - Other: [Signature]

Phone Result: ☐ Yes ☐ No Additional Fax #: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

REMARKS: [Signature]

† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.



January 25, 2007

2007 JAN 29 AM 11 57

NMOCD Environmental  
ATTN: Brad Jones  
1220 S. Saint Francis Drive  
Santa Fe, NM 87504

RE: Jay Dan Landfarm  
Quarterly Treatment Zone Test

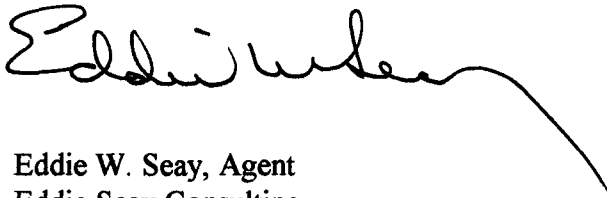
Mr. Jones:

Find enclosed analytical from the two cells at Jay Dan. Samples were taken at approximately two feet below lift, and sample holes backfilled with bentonite.

This also contains an analysis from a water well down gradient to this facility, for your records.

If you have any questions, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "Eddie W. Seay", with a long, sweeping horizontal line extending to the right.

Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
(505)392-2236  
seay04@leaco.net



# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

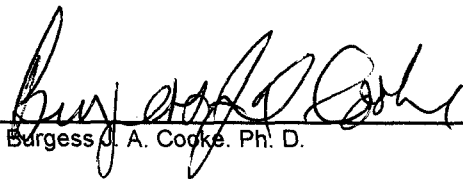
ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

Receiving Date: 01/17/07  
Reporting Date: 01/22/07  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 01/16/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: LB  
Analyzed By: BC/LB

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		01/19/07	01/19/07	01/17/07	01/17/07	01/17/07	01/17/07
H12051-1	CELL #1	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
H12051-2	CELL #2	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
Quality Control		765	752	0.089	0.099	0.101	0.328
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		95.6	94.0	89.1	99.2	101	109
Relative Percent Difference		<0.1	2.5	2.0	4.0	4.5	4.7

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

  
Burgess A. Cooke, Ph. D.

1/22/07  
Date

H12051A

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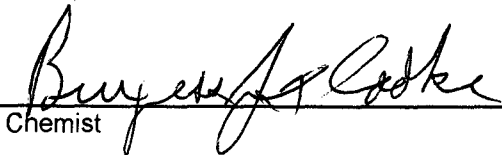
ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

Receiving Date: 01/17/07  
Reporting Date: 01/22/07  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 01/16/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: LB  
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/L)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/L)	Cl <sup>-</sup> (mg/L)
ANALYSIS DATE		01/20/07	01/20/07	01/18/07
H12051-3	MW #1	<5.0	<5.0	44
Quality Control		27.9	29.1	500
True Value QC		30.0	30.0	500
% Recovery		93.1	96.9	100
Relative Percent Difference		0.5	3.6	6.2

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

  
Chemist

1/22/07  
Date

H12051-3

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**ORDINAL LABORATORIES, INC.**

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(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page \_\_\_\_\_ of \_\_\_\_\_

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

2006 NOV 3 PM 1 16

October 31, 2006

NMOCD Environmental  
ATTN: Wayne Price  
1220 S. Saint Francis Drive  
Santa Fe, NM 87504

RE: Jay Dan Landfarm  
Quarterly Treatment Zone Test

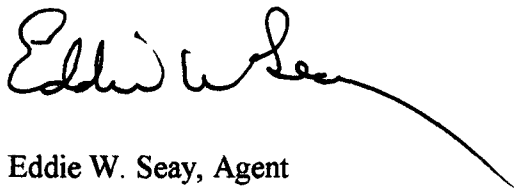
Mr. Price:

Find attached the quarterly test for Jay Dan Landfarm. Samples were taken at approximately 2 ft. below the cell lift. The sample holes were backfilled with red clay.

During Sampling, an inspection of the facility was conducted and all was in compliance.

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  
(505)392-2236  
seay04@leaco.net



# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 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: (505) 392-6949

Receiving Date: 10/24/06  
Reporting Date: 10/25/06  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 10/23/06  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/L)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/L)	Cl <sup>-</sup> (mg/L)
		10/24/06	10/24/06	10/24/06
H11696-1	MW #1	<5.0	<5.0	44
Quality Control		29.9	28.8	490
True Value QC		30.0	30.0	500
% Recovery		99.6	96.0	98.0
Relative Percent Difference		0.5	1.6	2.0

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

Chemist

Date

H11696-1

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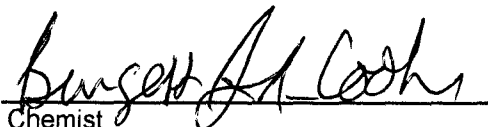
ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

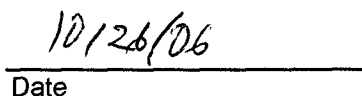
Receiving Date: 10/24/06  
Reporting Date: 10/26/06  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 10/23/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/25/06	10/25/06	10/25/06	10/25/06
H11696-2	CELL #1	<0.005	<0.005	<0.005	<0.015
H11696-3	CELL #2	<0.005	<0.005	<0.005	<0.015
Quality Control		0.104	0.097	0.102	0.296
True Value QC		0.100	0.100	0.100	0.300
% Recovery		104	96.6	102	98.6
Relative Percent Difference		6.2	4.8	3.3	2.1

METHOD: EPA SW-846 8260

  
Chemist

  
Date

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**CARDINAL LABORATORIES, INC.**

2111 Beechwood Abilene TX 79401

101 East Marland, Hobbs, NM 88240

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

(505) 393-2326 Fax (505) 393-2476

15) 393-2A76

Page \_\_\_\_\_ of \_\_\_\_\_

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

**† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.**



2006 AUG 4 PM 2 16

July 31, 2006

NMOCD Environmental  
ATTN: Wayne Price  
1220 S. Saint Francis Drive  
Santa Fe, NM 87504

RE: JayDan Landfarm  
Quarterly Report

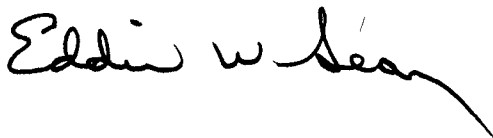
Mr. Price:

Attached is the first quarterly treatment zone test for JayDan Landfarm. Sample was taken at approximately two feet below the lift in the cell. The sample hole was backfilled with bentonite. I have also provided a sample of a nearby water well.

An inspection of the facility was conducted during the sampling and all was in compliance.

If you have any questions, please call.

Thanks,

A handwritten signature in black ink, appearing to read "Eddie W. Seay". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
(505)392-2236  
seay04@leaco.net



# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

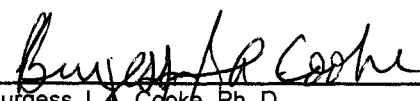
ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

Receiving Date: 07/18/06  
Reporting Date: 07/21/06  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 07/18/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		07/20/06	07/20/06	07/20/06	07/20/06	07/20/06	07/20/06
H11347-1	CELL #1	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Control		706	807	0.105	0.109	0.108	0.299
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		95.7	101	105	109	108	99.8
Relative Percent Difference		3.4	8.9	3.0	8.6	7.0	3.6

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

  
Burgess J. Cooke, Ph. D.

7/21/06  
Date

H11347-1

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

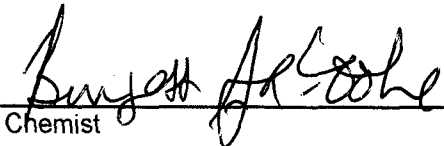
ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

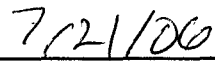
Receiving Date: 07/18/06  
Reporting Date: 07/21/06  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 07/18/06  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	Cl
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/L)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/L)	(mg/L)
ANALYSIS DATE		07/20/06	07/20/06	07/18/06
H11347-2	WW #1	<5.0	<5.0	44
Quality Control		29.2	32.1	1010
True Value QC		30.0	30.0	1000
% Recovery		97.3	107	101
Relative Percent Difference		6.0	6.7	0.0

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

  
Chemist

  
Date

H11347-2

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



2111 Beechwood, Abilene, TX 79603

(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page \_\_\_\_\_ of \_\_\_\_\_.

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

2006 MAY 5 PM 12 11

May 1, 2006

NM-1-045

NMOCD Environmental  
ATTN: Ed Martin  
1220 S. Saint Francis Drive  
Santa Fe, NM 87504

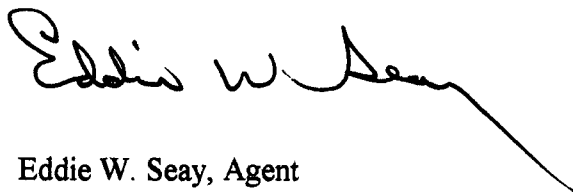
RE: Jay Dan Landfarm Permit NM-01-0045  
Background

Mr. Martin:

Attached are the background sampling required by the OCD for Jay Dan Landfarm.

If you have any questions or need additional information, please call.

Thanks,



Eddie W. Seay, Agent  
Eddie Seay Consulting  
601 W. Illinois  
Hobbs, NM 88242  
(505)392-2236  
seay04@leaco.net



PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

Receiving Date: 04/14/06  
Reporting Date: 04/18/06  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 04/13/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: HM  
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO <sub>3</sub> /L)
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ANALYSIS DATE:	04/17/06	04/17/06	04/17/06	04/17/06	04/14/06	04/17/06
H11031-1 JD-1	1	32	19	5	190	80
Quality Control	NR	48.1	48.6	3.96	1426	NR
True Value QC	NR	50.0	50.0	4.00	1413	NR
% Recovery	NR	96.2	97.2	100	101	NR
Relative Percent Difference	NR	0.0	0.0	1.5	0.2	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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	Cl <sup>-</sup> (mg/L)	SO <sub>4</sub> (mg/L)	CO <sub>3</sub> (mg/L)	HCO <sub>3</sub> (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	04/17/06	04/17/06	04/17/06	04/17/06	04/14/06	
H11031-1 JD-1	32	40	0	98	8.06	-
Quality Control	500	27.3	NR	976	6.92	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	100	109	NR	97.6	98.9	NR
Relative Percent Difference	0.0	11	NR	13.0	0.7	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
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Lope S. Moreno  
Chemist

04-27-06  
Date

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ANALYTICAL RESULTS FOR  
EDDIE SEAY CONSULTING  
ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242  
FAX TO: (505) 392-6949

Receiving Date: 04/14/06  
Reporting Date: 04/26/06  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

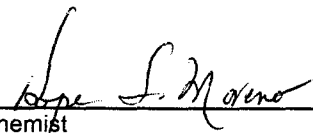
Sampling Date: 04/13/06  
Sample Type: SOIL  
Sample Condition: COOL AND INTACT  
Sample Received By: HM  
Analyzed By: HM

RCRA METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
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ANALYSIS DATE:	04/21/06	04/19/06	04/26/06	04/25/06	04/19/06	04/19/06	04/25/06	04/21/06
H11031-1 JD-1	2.6	11.6	3323	3.2	10.3	47.4	0.02	0.6
Quality Control	0.157	4.878	51.87	1.02	0.940	5.177	0.0062	0.158
True Value QC	0.150	5.000	50.00	1.00	1.000	5.000	0.0060	0.150
% Recovery	105	97.6	104	102	94	104	103	106.0
Relative Percent Difference	0.2	0.1	3	0.4	0.9	0.5	3.2	3.2

METHODS: EPA 600/4-79-020	206.2	272.1	208.1	213.1	218.2	239.1	245.1	270.2
METHODS: SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

  
Chemist

04-27-06  
Date

H11031M

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ANALYTICAL RESULTS FOR  
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ATTN: EDDIE SEAY  
601 W. ILLINOIS  
HOBBS, NM 88242

Receiving Date: 04/14/06  
Reporting Date: 04/26/06  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

FAX TO: (505) 392-6949

Sampling Date: 04/13/06  
Sample Type: SOIL  
Sample Condition: COOL AND INTACT  
Sample Received By: HM  
Analyzed By: HM

#### TOTAL METALS

LAB NUMBER SAMPLE ID

Al Co Cu Fe  
(ppm) (ppm) (ppm) (ppm)

ANALYSIS DATE:	04/25/06	04/25/06	04/25/06	04/25/06
H11031-1 JD-1	2411	12.3	7.8	2059
Quality Control	24.14	1.964	3.014	4.737
True Value QC	25.00	2.000	3.000	5.000
% Recovery	96.7	98.2	100	94.7
Relative Percent Difference	0.6	0.3	0.2	0.6
METHODS: EPA 600/04-79-020	202.1	219.1	220.1	236.1

Mn Mo Ni Zn  
(ppm) (ppm) (ppm) (ppm)

ANALYSIS DATE:	04/25/06	04/25/06	04/25/06	04/25/06
H11031-1 JD-1	28.6	< 0.1	17.4	9.1
Quality Control	4.062	3.012	1.044	0.500
True Value QC	4.000	3.000	1.000	0.500
% Recovery	102	100	104	100
Relative Percent Difference	0.2	6	0.9	0.7
METHODS: EPA 600/04-79-020	243.1	246.1	249.1	289.1

  
Chemist

04-27-06  
Date

H11031M2

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Receiving Date: 04/14/06  
Reporting Date: 04/20/06  
Project Owner: D. WATSON  
Project Name: JAY DAN LANDFARM  
Project Location: LOVINGTON, NM

Sampling Date: 04/13/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: HM  
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		04/18/06	04/18/06	04/19/06	04/19/06	04/19/06	04/19/06
H11031-1	JD-1	<10.0	186	<0.005	<0.005	<0.005	<0.015
Quality Control		787	738	0.091	0.093	0.092	0.292
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		98.3	92.3	91.2	92.7	91.8	97.3
Relative Percent Difference		2.7	1.8	2.1	2.6	1.5	3.4

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

Date

H11031A

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