

NM1 - 34

MONITORING REPORT

YEAR(S):

2011 - 2012

October 1, 2012

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

RE: DD Landfarm (Permit #01-0034)
Semi-Annual Sampling

Mr. Jones:

Find within the semi-annual sampling for both the treatment zone and vadose zone as required.

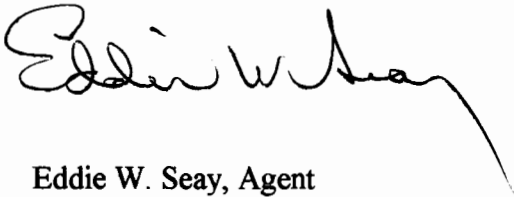
The treatment zone samples were taken at two to four inches of surface making one composite from four discrete samples for each cell, testing for TPH and Chloride.

The vadose zone samples were taken at approximately three feet below the natural surface level. There were four samples from each cell, composited and tested for BTEX, TPH and Chloride.

We will continue to operate and maintain the facility as our permit and rule 36 requires. Cell three was tested for the "five year monitoring", taking four randomly selected samples and testing as 20-6-2-3103 A & B requires.

If you have any questions or need anything further, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "Eddie W. Seay". The signature is fluid and cursive, 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

cc: DD Landfarm

August 28, 2012

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: D D LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 08/21/12 11:30.

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.

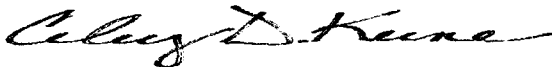
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:

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

 Received: 08/21/2012
 Reported: 08/28/2012
 Project Name: D D LANDFARM
 Project Number: DD LF
 Project Location: D D LAND FARM

 Sampling Date: 08/20/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL 1 - 1T (H201971-01)
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	08/24/2012	ND	1.76	88.2	2.00	6.04	
Toluene*	<0.050	0.050	08/24/2012	ND	1.82	91.2	2.00	5.06	
Ethylbenzene*	<0.050	0.050	08/24/2012	ND	1.86	93.1	2.00	4.70	
Total Xylenes*	<0.150	0.150	08/24/2012	ND	6.14	102	6.00	2.96	

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

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	08/23/2012	ND	400	100	400	4.08	

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	08/23/2012	ND	187	93.3	200	0.454	
DRO >C10-C28	39.5	10.0	08/23/2012	ND	182	90.9	200	1.40	

Surrogate: 1-Chlorooctane 78.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.0 % 63.6-154

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: 08/21/2012
Reported: 08/28/2012
Project Name: D D LANDFARM
Project Number: DD LF
Project Location: D D LAND FARM

Sampling Date: 08/20/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL 2 - 2T (H201971-02)

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	08/24/2012	ND	1.76	88.2	2.00	6.04	
Toluene*	<0.050	0.050	08/24/2012	ND	1.82	91.2	2.00	5.06	
Ethylbenzene*	<0.050	0.050	08/24/2012	ND	1.86	93.1	2.00	4.70	
Total Xylenes*	<0.150	0.150	08/24/2012	ND	6.14	102	6.00	2.96	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

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	08/23/2012	ND	400	100	400	4.08	

TPH 8015M		mg/kg	Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	08/24/2012	ND	187	93.3	200	0.454		
DRO >C10-C28	<50.0	50.0	08/24/2012	ND	182	90.9	200	1.40		

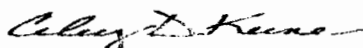
Surrogate: 1-Chlorooctane 56.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.4 % 63.6-154

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: 08/21/2012
 Reported: 08/28/2012
 Project Name: D D LANDFARM
 Project Number: DD LF
 Project Location: D D LAND FARM

 Sampling Date: 08/20/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL 3 - 3T (H201971-03)

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	08/24/2012	ND	1.76	88.2	2.00	6.04	
Toluene*	<0.050	0.050	08/24/2012	ND	1.82	91.2	2.00	5.06	
Ethylbenzene*	<0.050	0.050	08/24/2012	ND	1.86	93.1	2.00	4.70	
Total Xylenes*	<0.150	0.150	08/24/2012	ND	6.14	102	6.00	2.96	

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

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	08/23/2012	ND	400	100	400	4.08	

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	08/23/2012	ND	187	93.3	200	0.454	
DRO >C10-C28	<10.0	10.0	08/23/2012	ND	182	90.9	200	1.40	

Surrogate: 1-Chlorooctane 77.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.4 % 63.6-154

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Analytical Results For:

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

 Received: 08/21/2012
 Reported: 08/28/2012
 Project Name: D D LANDFARM
 Project Number: DD LF
 Project Location: D D LAND FARM

 Sampling Date: 08/20/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL 1 - 1V (H201971-04)

BTX 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	08/24/2012	ND	1.76	88.2	2.00	6.04	
Toluene*	<0.050	0.050	08/24/2012	ND	1.82	91.2	2.00	5.06	
Ethylbenzene*	<0.050	0.050	08/24/2012	ND	1.86	93.1	2.00	4.70	
Total Xylenes*	<0.150	0.150	08/24/2012	ND	6.14	102	6.00	2.96	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

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	08/23/2012	ND	400	100	400	4.08	

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	08/23/2012	ND	187	93.3	200	0.454	
DRO >C10-C28	<10.0	10.0	08/23/2012	ND	182	90.9	200	1.40	

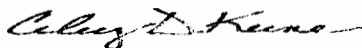
Surrogate: 1-Chlorooctane 82.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.3 % 63.6-154

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* = Accredited Analyte

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

Received: 08/21/2012
Reported: 08/28/2012
Project Name: D D LANDFARM
Project Number: DD LF
Project Location: D D LAND FARM

Sampling Date: 08/20/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL 2 - 2V (H201971-05)
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	08/28/2012	ND	1.76	88.2	2.00	6.04	
Toluene*	<0.050	0.050	08/28/2012	ND	1.82	91.2	2.00	5.06	
Ethylbenzene*	<0.050	0.050	08/28/2012	ND	1.86	93.1	2.00	4.70	
Total Xylenes*	<0.150	0.150	08/28/2012	ND	6.14	102	6.00	2.96	

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 89.4-126

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	08/23/2012	ND	400	100	400	4.08	

TPH 8015M
mg/kg
Analyzed By: MS

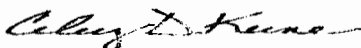
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2012	ND	187	93.3	200	0.454	
DRO >C10-C28	<10.0	10.0	08/23/2012	ND	182	90.9	200	1.40	

Surrogate: 1-Chlorooctane 88.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.5 % 63.6-154

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: 08/21/2012
Reported: 08/28/2012
Project Name: D D LANDFARM
Project Number: DD LF
Project Location: D D LAND FARM

Sampling Date: 08/20/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL 3 - 3V (H201971-06)
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	08/24/2012	ND	1.76	88.2	2.00	6.04	
Toluene*	<0.050	0.050	08/24/2012	ND	1.82	91.2	2.00	5.06	
Ethylbenzene*	<0.050	0.050	08/24/2012	ND	1.86	93.1	2.00	4.70	
Total Xylenes*	<0.150	0.150	08/24/2012	ND	6.14	102	6.00	2.96	

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

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	08/23/2012	ND	400	100	400	4.08	

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	08/23/2012	ND	187	93.3	200	0.454	
DRO >C10-C28	<10.0	10.0	08/23/2012	ND	182	90.9	200	1.40	

Surrogate: 1-Chlorooctane 78.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

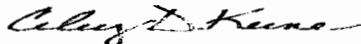
Notes and Definitions

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.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance 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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL
Laboratories

[illegible]

Relinquished By: <u>Eedilwahan</u> Relinquished By: _____ Date: <u>9/21</u> Time: <u>11:30</u> Date: _____ Time: _____						Received By: <u>Eedilwahan</u> Received By: _____ Date: _____ Time: _____						Checked By: _____ (Initials)					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:						Sample Condition Cool: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											

Page 9 of 9

September 27, 2012

Eddie Seay
Eddie Seay Consulting
601 W. Illinois
Hobbs, NM 88242

RE: DD LANDFARM (01-0034) 5 YR MONITORING

Enclosed are the results of analyses for samples received by the laboratory on 08/21/12 11:30.

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 on accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

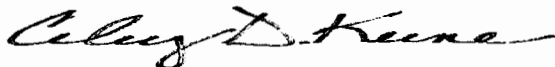
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:

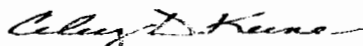
Eddie Seay Consulting 601 W. Illinois Hobbs NM, 88242	Project: DD LANDFARM (01-0034) 5 YR MO Project Number: DD LANDFARM Project Manager: Eddie Seay Fax To: (505) 392-6949	Reported: 27-Sep-12 10:16
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL 3 - 1	H201972-01	Soil	20-Aug-12 14:15	21-Aug-12 11:30
CELL 3 - 2	H201972-02	Soil	20-Aug-12 14:50	21-Aug-12 11:30
CELL 3 - 3	H201972-03	Soil	20-Aug-12 15:40	21-Aug-12 11:30
CELL 3 - 4	H201972-04	Soil	20-Aug-12 16:30	21-Aug-12 11:30

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 1
H201972-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	0.702	0.500 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Barium	24.2	0.50 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Cadmium	0.160	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Chromium	3.03	1.00 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Copper	1.50	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Iron	3110	5.0 mg/kg dry wt.	100	2092612	CK	31-Aug-12	6010		GAL
Lead	2.08	0.50 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Manganese	49.2	0.500 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Mercury	ND	0.098 mg/kg dry wt.	490	2092614	CK	04-Sep-12	7471A		GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Uranium	0.125	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Zinc	6.42	1.00 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL

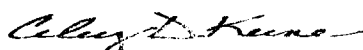
Inorganic Compounds

% Solids	99.2	%	1	2092607	CK	29-Aug-12	D2216		GAL
Chloride	ND	16.0 mg/kg	4	2082307	HM	23-Aug-12	4500-Cl-B		
Cyanide (total)	ND	0.250 mg/kg dry wt.	50	2092608	CK	29-Aug-12	335.4		GAL
Fluoride	6.64	0.800 mg/kg dry wt.	4	2092610	CK	27-Aug-12	4500F C		GAL
Nitrate/Nitrite as N	3.90	0.080 mg/kg dry wt.	4	2092611	CK	31-Aug-12	353.2		GAL
Nitrite as N	0.088	0.080 mg/kg dry wt.	4	2092611	CK	30-Aug-12	353.2		GAL
pH*	7.90	0.100 pH Units	1	2082706	HM	24-Aug-12	9045		
Phenols	ND	0.5 mg/kg dry wt.	1	2092619	CK	12-Sep-12	EPA9065		GAL
Sulfate	ND	40.0 mg/kg	4	2082806	AP	29-Aug-12	375.4		

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 1
H201972-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2082302	MS	24-Aug-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2082302	MS	24-Aug-12	8015M	
Surrogate: 1-Chlorooctane		89.3 %	65.2-140		2082302	MS	24-Aug-12	8015M	
Surrogate: 1-Chlorooctadecane		105 %	63.6-154		2082302	MS	24-Aug-12	8015M	

Organic Compounds
SUB-SS

PCB 1016	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1221	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1232	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1242	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1248	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1254	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1260	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
Surrogate: Tetrachloro-meta-xylene		76.2 %	35-140		2092621	CK	29-Aug-12	8082	

Radionuclides

Radium-226	ND	0.60	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS
Radium-228	ND	0.70	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS
Total Radium	ND	0.70	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS

Volatile Organic Compounds by GCMS

Vinyl chloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Methylene chloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Chloroform*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Carbon tetrachloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Benzene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting 601 W. Illinois Hobbs NM, 88242	Project: DD LANDFARM (01-0034) 5 YR MO Project Number: DD LANDFARM Project Manager: Eddie Seay Fax To: (505) 392-6949	Reported: 27-Sep-12 10:16
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CELL 3 - 1 H201972-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by GCMS

Trichloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Toluene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Tetrachloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,2-Trichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Ethylbenzene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
m-p Xylenes*	ND	0.100	mg/kg	50	2083011	ms	30-Aug-12	8260	
o-Xylene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Total Xylenes*	ND	0.150	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Naphthalene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Surrogate: Dibromofluoromethane		97.7 %		70-130	2083011	ms	30-Aug-12	8260	
Surrogate: Toluene-d8		106 %		70-130	2083011	ms	30-Aug-12	8260	
Surrogate: 4-Bromofluorobenzene		83.6 %		70-130	2083011	ms	30-Aug-12	8260	

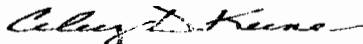
Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
2-Methylnaphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
1-Methylnaphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Acenaphthylene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Acenaphthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Fluorene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Phenanthrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Carbazole	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Chrysene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 1
H201972-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Semivolatile Organic Compounds by GCMS**

Benzo[b]fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Surrogate: Nitrobenzene-d5		38.1 %	16.1-91.8		2082202	ms	31-Aug-12	8270C	
Surrogate: 2-Fluorobiphenyl		43.1 %	27.2-92.9		2082202	ms	31-Aug-12	8270C	
Surrogate: Terphenyl-d14		46.7 %	21.3-96.1		2082202	ms	31-Aug-12	8270C	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 2
H201972-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	0.862	0.500 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Barium	14.5	0.50 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Cadmium	0.119	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Chromium	2.59	1.00 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Copper	0.905	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Iron	2660	5.0 mg/kg dry wt.	100	2092612	CK	31-Aug-12	6010	GAL
Lead	1.77	0.50 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Manganese	25.8	0.500 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Mercury	ND	0.095 mg/kg dry wt.	476	2092614	CK	04-Sep-12	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Uranium	ND	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Zinc	3.19	1.00 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL


Inorganic Compounds

% Solids	99.7	%	1	2092607	CK	29-Aug-12	D2216	GAL
Chloride	ND	16.0 mg/kg	4	2082307	HM	23-Aug-12	4500-Cl-B	
Cyanide (total)	ND	0.250 mg/kg dry wt.	50	2092608	CK	29-Aug-12	335.4	GAL
Fluoride	1.49	0.800 mg/kg dry wt.	4	2092610	CK	27-Aug-12	4500F C	GAL
Nitrate/Nitrite as N	1.00	0.080 mg/kg dry wt.	4	2092611	CK	31-Aug-12	353.2	GAL
Nitrite as N	0.118	0.080 mg/kg dry wt.	4	2092611	CK	30-Aug-12	353.2	GAL
pH*	7.40	0.100 pH Units	1	2082706	HM	24-Aug-12	9045	
Phenols	ND	0.5 mg/kg dry wt.	1	2092619	CK	12-Sep-12	EPA9065	GAL
Sulfate	ND	40.0 mg/kg	4	2082806	AP	29-Aug-12	375.4	

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 2
H201972-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2082302	MS	24-Aug-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2082302	MS	24-Aug-12	8015M	
Surrogate: 1-Chlorooctane		89.6 %	65.2-140		2082302	MS	24-Aug-12	8015M	
Surrogate: 1-Chlorooctadecane		102 %	63.6-154		2082302	MS	24-Aug-12	8015M	

Organic Compounds
SUB-SS

PCB 1016	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1221	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1232	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1242	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1248	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1254	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1260	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
Surrogate: Tetrachloro-meta-xylene		81.0 %	35-140		2092621	CK	29-Aug-12	8082	

Radionuclides

Radium-226	ND	0.60	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS
Radium-228	ND	0.70	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS
Total Radium	ND	0.70	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS


Volatile Organic Compounds by GCMS

Vinyl chloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Methylene chloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Chloroform*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Carbon tetrachloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Benzene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 2
H201972-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by GCMS

Trichloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Toluene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Tetrachloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,2-Trichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Ethylbenzene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
m-p Xylenes*	ND	0.100	mg/kg	50	2083011	ms	30-Aug-12	8260	
o-Xylene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Total Xylenes*	ND	0.150	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Naphthalene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Surrogate: Dibromofluoromethane		99.0 %	70-130		2083011	ms	30-Aug-12	8260	
Surrogate: Toluene-d8		103 %	70-130		2083011	ms	30-Aug-12	8260	
Surrogate: 4-Bromofluorobenzene		82.3 %	70-130		2083011	ms	30-Aug-12	8260	

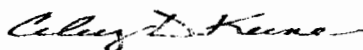
Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
2-Methylnaphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
1-Methylnaphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Acenaphthylene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Acenaphthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Fluorene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Phenanthrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Carbazole	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Chrysene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 2
H201972-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Semivolatile Organic Compounds by GCMS**

Benzo[b]fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Surrogate: Nitrobenzene-d5		31.5 %	16.1-91.8		2082202	ms	31-Aug-12	8270C	
Surrogate: 2-Fluorobiphenyl		33.4 %	27.2-92.9		2082202	ms	31-Aug-12	8270C	
Surrogate: Terphenyl-d14		43.0 %	21.3-96.1		2082202	ms	31-Aug-12	8270C	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 3 H201972-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Total Metals

Arsenic	0.525	0.500 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Barium	14.6	0.50 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Cadmium	ND	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Chromium	2.11	1.00 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Copper	1.06	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Iron	2620	5.0 mg/kg dry wt.	100	2092612	CK	31-Aug-12	6010		GAL
Lead	2.03	0.50 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Manganese	31.0	0.500 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Mercury	ND	0.095 mg/kg dry wt.	476	2092614	CK	04-Sep-12	7471A		GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Uranium	ND	0.100 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL
Zinc	4.61	1.00 mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020		GAL


Inorganic Compounds

% Solids	99.0	%	1	2092607	CK	29-Aug-12	D2216		GAL
Chloride	ND	16.0 mg/kg	4	2082307	HM	23-Aug-12	4500-Cl-B		
Cyanide (total)	ND	0.250 mg/kg dry wt.	50	2092608	CK	29-Aug-12	335.4		GAL
Fluoride	2.36	0.800 mg/kg dry wt.	4	2092610	CK	27-Aug-12	4500F C		GAL
Nitrate/Nitrite as N	3.25	0.080 mg/kg dry wt.	4	2092611	CK	31-Aug-12	353.2		GAL
Nitrite as N	0.299	0.080 mg/kg dry wt.	4	2092611	CK	30-Aug-12	353.2		GAL
pH*	7.87	0.100 pH Units	1	2082706	HM	24-Aug-12	9045		
Phenols	ND	0.5 mg/kg dry wt.	1	2092619	CK	12-Sep-12	EPA9065		GAL
Sulfate	142	40.0 mg/kg	4	2082806	AP	29-Aug-12	375.4		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 3
H201972-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2082302	MS	24-Aug-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2082302	MS	24-Aug-12	8015M	
Surrogate: 1-Chlorooctane		79.1 %	65.2-140		2082302	MS	24-Aug-12	8015M	
Surrogate: 1-Chlorooctadecane		93.5 %	63.6-154		2082302	MS	24-Aug-12	8015M	

Organic Compounds
SUB-SS

PCB 1016	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1221	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1232	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1242	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1248	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1254	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1260	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
Surrogate: Tetrachloro-meta-xylene		96.3 %	35-140		2092621	CK	29-Aug-12	8082	

Radionuclides

Radium-226	ND	0.40	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS
Radium-228	ND	0.60	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS
Total Radium	ND	0.60	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS

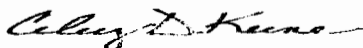
Volatile Organic Compounds by GCMS

Vinyl chloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Methylene chloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Chloroform*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Carbon tetrachloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Benzene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: DD LANDFARM (01-0034) 5 YR MO
 Project Number: DD LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 27-Sep-12 10:16

CELL 3 - 3
H201972-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by GCMS

Trichloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Toluene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Tetrachloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,2-Trichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Ethylbenzene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
m-p Xylenes*	ND	0.100	mg/kg	50	2083011	ms	30-Aug-12	8260	
o-Xylene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Total Xylenes*	ND	0.150	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Naphthalene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Surrogate: Dibromofluoromethane		101 %	70-130		2083011	ms	30-Aug-12	8260	
Surrogate: Toluene-d8		105 %	70-130		2083011	ms	30-Aug-12	8260	
Surrogate: 4-Bromofluorobenzene		82.9 %	70-130		2083011	ms	30-Aug-12	8260	

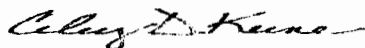
Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
2-Methylnaphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
1-Methylnaphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Acenaphthylene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Acenaphthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Fluorene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Phenanthrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Carbazole	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Chrysene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: DD LANDFARM (01-0034) 5 YR MO
 Project Number: DD LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 27-Sep-12 10:16

CELL 3 - 3
H201972-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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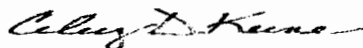
Cardinal Laboratories
Semivolatile Organic Compounds by GCMS

Benzo[b]fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Surrogate: Nitrobenzene-d5		31.1 %	16.1-91.8		2082202	ms	31-Aug-12	8270C	
Surrogate: 2-Fluorobiphenyl		38.1 %	27.2-92.9		2082202	ms	31-Aug-12	8270C	
Surrogate: Terphenyl-d14		48.3 %	21.3-96.1		2082202	ms	31-Aug-12	8270C	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 4
H201972-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	0.702	0.500	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Barium	12.9	0.50	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Cadmium	ND	0.100	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Chromium	1.76	1.00	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Copper	0.673	0.100	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Iron	2660	5.0	mg/kg dry wt.	100	2092612	CK	31-Aug-12	6010	GAL
Lead	1.90	0.50	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Manganese	19.6	0.500	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Mercury	ND	0.098	mg/kg dry wt.	490	2092614	CK	04-Sep-12	7471A	GAL
Selenium	ND	1.00	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Silver	ND	0.100	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Uranium	ND	0.100	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL
Zinc	1.65	1.00	mg/kg dry wt.	1000	2092613	CK	17-Sep-12	6020	GAL

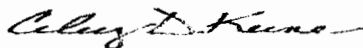
Inorganic Compounds

% Solids	99.7		%	1	2092607	CK	29-Aug-12	D2216	GAL
Chloride	ND	16.0	mg/kg	4	2082307	HM	23-Aug-12	4500-Cl-B	
Cyanide (total)	ND	0.250	mg/kg dry wt.	50	2092608	CK	29-Aug-12	335.4	GAL
Fluoride	2.16	0.800	mg/kg dry wt.	4	2092610	CK	27-Aug-12	4500F C	GAL
Nitrate/Nitrite as N	1.65	0.080	mg/kg dry wt.	4	2092611	CK	31-Aug-12	353.2	GAL
Nitrite as N	0.117	0.080	mg/kg dry wt.	4	2092611	CK	30-Aug-12	353.2	GAL
pH*	7.25	0.100	pH Units	1	2082706	HM	24-Aug-12	9045	
Phenols	ND	0.5	mg/kg dry wt.	1	2092619	CK	12-Sep-12	EPA9065	GAL
Sulfate	ND	40.0	mg/kg	4	2082806	AP	29-Aug-12	375.4	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 4 H201972-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2082302	MS	24-Aug-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2082302	MS	24-Aug-12	8015M	
Surrogate: 1-Chlorooctane		95.4 %	65.2-140		2082302	MS	24-Aug-12	8015M	
Surrogate: 1-Chlorooctadecane		101 %	63.6-154		2082302	MS	24-Aug-12	8015M	

Organic Compounds

SUB-SS

PCB 1016	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1221	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1232	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1242	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1248	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1254	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
PCB 1260	ND	10.0	ug/kg	10	2092621	CK	29-Aug-12	8082	
Surrogate: Tetrachloro-meta-xylene		74.4 %	35-140		2092621	CK	29-Aug-12	8082	

Radionuclides

Radium-226	ND	0.50	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS
Radium-228	ND	0.70	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS
Total Radium	ND	0.70	pCi/gram	1	2092620	CK	06-Sep-12	903.1/904	SUB-RS

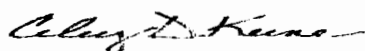
Volatile Organic Compounds by GCMS

Vinyl chloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Methylene chloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Chloroform*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Carbon tetrachloride*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Benzene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 4
H201972-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by GCMS

Trichloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Toluene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Tetrachloroethene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,2-Trichloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Ethylbenzene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
m-p Xylenes*	ND	0.100	mg/kg	50	2083011	ms	30-Aug-12	8260	
o-Xylene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Total Xylenes*	ND	0.150	mg/kg	50	2083011	ms	30-Aug-12	8260	
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Naphthalene*	ND	0.0500	mg/kg	50	2083011	ms	30-Aug-12	8260	
Surrogate: Dibromofluoromethane		98.3 %		70-130	2083011	ms	30-Aug-12	8260	
Surrogate: Toluene-d8		106 %		70-130	2083011	ms	30-Aug-12	8260	
Surrogate: 4-Bromofluorobenzene		82.7 %		70-130	2083011	ms	30-Aug-12	8260	

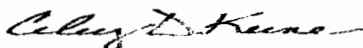
Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
2-Methylnaphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
1-Methylnaphthalene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Acenaphthylene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Acenaphthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Fluorene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Phenanthrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Carbazole	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Chrysene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

CELL 3 - 4
H201972-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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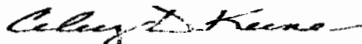
Cardinal Laboratories**Semivolatile Organic Compounds by GCMS**

Benzo[b]fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	2082202	ms	31-Aug-12	8270C	
Surrogate: Nitrobenzene-d5		32.5 %	16.1-91.8		2082202	ms	31-Aug-12	8270C	
Surrogate: 2-Fluorobiphenyl		37.6 %	27.2-92.9		2082202	ms	31-Aug-12	8270C	
Surrogate: Terphenyl-d14		43.6 %	21.3-96.1		2082202	ms	31-Aug-12	8270C	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting 601 W. Illinois Hobbs NM, 88242	Project: DD LANDFARM (01-0034) 5 YR MO Project Number: DD LANDFARM Project Manager: Eddie Seay Fax To: (505) 392-6949	Reported: 27-Sep-12 10:16
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Total Metals - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2092612 - EPA 3050

Blank (2092612-BLK1) Prepared & Analyzed: 31-Aug-12

Iron	ND	5.0	mg/kg dry wt.						
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LCS (2092612-BS1) Prepared & Analyzed: 31-Aug-12

Iron	3.8		mg/kg	4.00	95.5	85-115			
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LCS Dup (2092612-BSD1) Prepared & Analyzed: 31-Aug-12

Iron	3.7		mg/kg	4.00	92.8	85-115	2.92	20	
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Batch 2092613 - EPA 3050

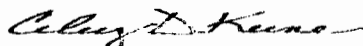
Blank (2092613-BLK1) Prepared: 05-Sep-12 Analyzed: 17-Sep-12

Barium	ND	0.0005	mg/kg dry wt.						
Cadmium	ND	0.0001	mg/kg dry wt.						
Copper	ND	0.000100	mg/kg dry wt.						
Selenium	ND	0.001	mg/kg dry wt.						
Uranium	ND	0.0001	mg/kg dry wt.						
Zinc	ND	0.00100	mg/kg dry wt.						
Arsenic	ND	0.0005	mg/kg dry wt.						
Chromium	ND	0.001	mg/kg dry wt.						
Lead	ND	0.0005	mg/kg dry wt.						
Manganese	ND	0.000500	mg/kg dry wt.						
Silver	ND	0.0001	mg/kg dry wt.						

LCS (2092613-BS1) Prepared: 05-Sep-12 Analyzed: 17-Sep-12

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***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

Total Metals by ICPMS - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2092613 - EPA 3050
LCS (2092613-BS1)

Prepared: 05-Sep-12 Analyzed: 17-Sep-12

Silver	0.0491		mg/L	0.0500		98.2	85-115			
Chromium	0.053		mg/L	0.0500		106	85-115			
Arsenic	0.056		mg/L	0.0500		112	85-115			
Zinc	0.0586		mg/kg	0.0500		117	80-120			
Barium	0.06		mg/L	0.0500		113	85-115			
Lead	0.05		mg/L	0.0500		108	85-115			
Selenium	0.279		mg/L	0.250		112	85-115			
Uranium	0.0563		mg/kg	0.0500		113	85-115			
Copper	0.0542		mg/kg	0.0500		108	85-115			
Cadmium	0.0565		mg/L	0.0500		113	85-115			
Manganese	0.0521		mg/kg	0.0500		104	85-115			

LCS Dup (2092613-BSD1)

Prepared: 05-Sep-12 Analyzed: 17-Sep-12

Silver	0.0530		mg/L	0.0500		106	85-115	7.64	20	
Selenium	0.287		mg/L	0.250		115	85-115	2.83	20	
Zinc	0.0577		mg/kg	0.0500		115	80-120	1.55	20	
Barium	0.05		mg/L	0.0500		109	85-115	3.60	20	
Cadmium	0.0567		mg/L	0.0500		113	85-115	0.353	20	
Chromium	0.056		mg/L	0.0500		113	85-115	5.66	20	
Arsenic	0.058		mg/L	0.0500		115	85-115	2.64	20	
Copper	0.0547		mg/kg	0.0500		109	85-115	0.918	20	
Manganese	0.0572		mg/kg	0.0500		114	85-115	9.33	20	
Uranium	0.0540		mg/kg	0.0500		108	85-115	4.17	20	
Lead	0.05		mg/L	0.0500		105	85-115	3.38	20	

Batch 2092614 - EPA 7471
Blank (2092614-BLK1)


Prepared & Analyzed: 04-Sep-12

Mercury	ND	0.100	mg/kg dry wt.							
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

Mercury (Total) by CVAA - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2092614 - EPA 7471**LCS (2092614-BS1)**

Prepared & Analyzed: 04-Sep-12

Mercury	1.00		mg/kg	1.00		100	85-115			
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LCS Dup (2092614-BSD1)

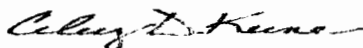
Prepared & Analyzed: 04-Sep-12

Mercury	1.00		mg/kg	1.00		100	85-115	0.00	20	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: DD LANDFARM (01-0034) 5 YR MO
 Project Number: DD LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 27-Sep-12 10:16

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2082307 - 1:4 DI Water
Blank (2082307-BLK1)

Prepared & Analyzed: 23-Aug-12

Chloride ND 16.0 mg/kg

LCS (2082307-BS1)

Prepared & Analyzed: 23-Aug-12

Chloride 400 16.0 mg/kg 400 100 80-120

LCS Dup (2082307-BSD1)

Prepared & Analyzed: 23-Aug-12

Chloride 384 16.0 mg/kg 400 96.0 80-120 4.08 20

Batch 2082706 - 1:1 DI
LCS (2082706-BS1)

Prepared & Analyzed: 24-Aug-12

pH 7.07 pH Units 7.00 101 90-110

Duplicate (2082706-DUP1)

Source: H201997-01

Prepared & Analyzed: 24-Aug-12

pH 7.37 0.100 pH Units 7.39 0.271 20

Batch 2082806 - General Prep - Wet Chem
Blank (2082806-BLK1)

Prepared: 28-Aug-12 Analyzed: 29-Aug-12

Sulfate ND 10.0 mg/kg

LCS (2082806-BS1)

Prepared: 28-Aug-12 Analyzed: 29-Aug-12

Sulfate 18.4 10.0 mg/kg 20.0 92.0 80-120

LCS Dup (2082806-BSD1)

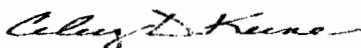
Prepared: 28-Aug-12 Analyzed: 29-Aug-12

Sulfate 16.4 10.0 mg/kg 20.0 82.0 80-120 11.5 20

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2092608 - General Prep

Blank (2092608-BLK1)

Prepared & Analyzed: 29-Aug-12

Cyanide (total) ND 0.00500 mg/kg dry
wt.

LCS (2092608-BS1)

Prepared & Analyzed: 29-Aug-12

Cyanide (total) 0.0433 mg/L 0.0500 86.6 85-115

LCS Dup (2092608-BSD1)

Prepared & Analyzed: 29-Aug-12

Cyanide (total) 0.0429 mg/L 0.0500 85.8 85-115 0.928 20

Batch 2092610 - General Prep

Blank (2092610-BLK1)

Prepared & Analyzed: 27-Aug-12

Fluoride ND 0.200 mg/kg dry
wt.

LCS (2092610-BS1)

Prepared & Analyzed: 27-Aug-12

Fluoride 1.13 mg/L 1.00 113 85-115

LCS Dup (2092610-BSD1)

Prepared & Analyzed: 27-Aug-12

Fluoride 1.00 mg/L 1.00 100 85-115 12.2 20

Batch 2092611 - General Prep

Blank (2092611-BLK1)

Prepared & Analyzed: 30-Aug-12

Nitrite as N ND 0.020 mg/kg dry
wt.

Nitrate/Nitrite as N ND 0.020 mg/kg dry
wt.

LCS (2092611-BS1)

Prepared & Analyzed: 30-Aug-12

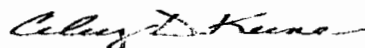
Nitrite as N 0.088 mg/L 0.100 88.0 85-115

Nitrate/Nitrite as N 0.094 mg/L 0.100 94.0 85-115

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: DD LANDFARM (01-0034) 5 YR MO
 Project Number: DD LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 27-Sep-12 10:16

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2092611 - General Prep
LCS Dup (2092611-BSD1)

Prepared & Analyzed: 30-Aug-12

Nitrite as N	0.094		mg/L	0.100		94.0	85-115	6.59	20	
Nitrate/Nitrite as N	0.088		mg/L	0.100		88.0	85-115	6.59	20	

Batch 2092619 - General Prep
Blank (2092619-BLK1)

Prepared & Analyzed: 12-Sep-12

Phenols	ND		0.5 mg/kg dry wt.							
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LCS (2092619-BS1)

Prepared & Analyzed: 12-Sep-12

Phenols	0.4		mg/kg	0.400		96.2	70-130			
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Matrix Spike (2092619-MS1)

Source: H201972-01

Prepared & Analyzed: 12-Sep-12

Phenols	4.0		mg/kg	4.08	0.0	98.0	70-130			
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Matrix Spike Dup (2092619-MSD1)

Source: H201972-01

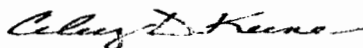
Prepared & Analyzed: 12-Sep-12

Phenols	4.0		mg/kg	4.08	0.0	97.5	70-130	0.501	20	
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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: DD LANDFARM (01-0034) 5 YR MO
 Project Number: DD LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 27-Sep-12 10:16

Organic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2082302 - General Prep - Organics
Blank (2082302-BLK1)

Prepared & Analyzed: 23-Aug-12

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	39.3		mg/kg	50.0		78.6	65.2-140			
Surrogate: 1-Chlorooctadecane	46.7		mg/kg	50.0		93.4	63.6-154			

LCS (2082302-BS1)

Prepared & Analyzed: 23-Aug-12

GRO C6-C10	187	10.0	mg/kg	200		93.3	66.4-124			
DRO >C10-C28	182	10.0	mg/kg	200		90.9	61.6-132			
Total TPH C6-C28	368	10.0	mg/kg	400		92.1	69.7-122			
Surrogate: 1-Chlorooctane	46.5		mg/kg	50.0		92.9	65.2-140			
Surrogate: 1-Chlorooctadecane	50.4		mg/kg	50.0		101	63.6-154			

LCS Dup (2082302-BSD1)


Prepared & Analyzed: 23-Aug-12

GRO C6-C10	188	10.0	mg/kg	200		93.8	66.4-124	0.454	23.4	
DRO >C10-C28	184	10.0	mg/kg	200		92.1	61.6-132	1.40	23.1	
Total TPH C6-C28	372	10.0	mg/kg	400		93.0	69.7-122	0.924	20.6	
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.0	65.2-140			
Surrogate: 1-Chlorooctadecane	50.4		mg/kg	50.0		101	63.6-154			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

Organic Compounds - Quality Control


Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2092621 - 3550										
Blank (2092621-BLK1)				Prepared: 23-Aug-12 Analyzed: 29-Aug-12						
PCB 1016	ND	10.0	ug/kg							
PCB 1221	ND	10.0	ug/kg							
PCB 1232	ND	10.0	ug/kg							
PCB 1242	ND	10.0	ug/kg							
PCB 1248	ND	10.0	ug/kg							
PCB 1254	ND	10.0	ug/kg							
PCB 1260	ND	10.0	ug/kg							
<i>Surrogate: Tetrachloro-meta-xylene</i>	9.00		ug/L	10.0		90.0	35-140			
LCS (2092621-BS1)				Prepared: 23-Aug-12 Analyzed: 29-Aug-12						
PCB 1016	74.9		ug/L	100		74.9	40-130			
PCB 1260	64.6		ug/L	100		64.6	40-130			
<i>Surrogate: Tetrachloro-meta-xylene</i>	8.07		ug/L	10.0		80.7	35-140			
Matrix Spike (2092621-MS1)				Source: H201972-01		Prepared: 23-Aug-12 Analyzed: 29-Aug-12				
PCB 1016	77.9		ug/L	100	ND	77.9	40-130			
PCB 1260	71.0		ug/L	100	ND	71.0	40-130			
<i>Surrogate: Tetrachloro-meta-xylene</i>	8.76		ug/L	10.0		87.6	35-140			
Matrix Spike Dup (2092621-MSD1)				Source: H201972-01		Prepared: 23-Aug-12 Analyzed: 29-Aug-12				
PCB 1016	86.6		ug/L	100	ND	86.6	40-130	10.6	20	
PCB 1260	66.1		ug/L	100	ND	66.1	40-130	7.15	20	
<i>Surrogate: Tetrachloro-meta-xylene</i>	7.73		ug/L	10.0		77.3	35-140			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

Volatile Organic Compounds by GCMS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2083011 - Volatiles

Blank (2083011-BLK1)

Prepared & Analyzed: 30-Aug-12

Vinyl chloride	ND	0.0500	mg/kg							
1,1-Dichloroethene	ND	0.0500	mg/kg							
Methylene chloride	ND	0.0500	mg/kg							
1,1-Dichloroethane	ND	0.0500	mg/kg							
Chloroform	ND	0.0500	mg/kg							
Carbon tetrachloride	ND	0.0500	mg/kg							
1,1,1-Trichloroethane	ND	0.0500	mg/kg							
Benzene	ND	0.0500	mg/kg							
1,2-Dichloroethane	ND	0.0500	mg/kg							
Trichloroethene	ND	0.0500	mg/kg							
Toluene	ND	0.0500	mg/kg							
Tetrachloroethene	ND	0.0500	mg/kg							
1,1,2-Trichloroethane	ND	0.0500	mg/kg							
1,2-Dibromoethane	ND	0.0500	mg/kg							
Ethylbenzene	ND	0.0500	mg/kg							
m-p Xylenes	ND	0.100	mg/kg							
o-Xylene	ND	0.0500	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg							
Naphthalene	ND	0.0500	mg/kg							
Surrogate: Dibromofluoromethane	0.464		mg/kg	0.500		92.7	70-130			
Surrogate: Toluene-d8	0.542		mg/kg	0.500		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.450		mg/kg	0.500		90.0	70-130			

LCS (2083011-BS1)


Prepared & Analyzed: 30-Aug-12

Vinyl chloride	0.517	0.0500	mg/kg	0.500		103	70-130			
1,1-Dichloroethene	0.442	0.0500	mg/kg	0.500		88.4	70-130			
Methylene chloride	0.466	0.0500	mg/kg	0.500		93.2	70-130			
1,1-Dichloroethane	0.499	0.0500	mg/kg	0.500		99.8	70-130			
Chloroform	0.467	0.0500	mg/kg	0.500		93.4	70-130			
Carbon tetrachloride	0.492	0.0500	mg/kg	0.500		98.5	70-130			
1,1,1-Trichloroethane	0.489	0.0500	mg/kg	0.500		97.8	70-130			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: DD LANDFARM (01-0034) 5 YR MO
 Project Number: DD LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 27-Sep-12 10:16

Volatile Organic Compounds by GCMS - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2083011 - Volatiles
LCS (2083011-BS1)

Prepared & Analyzed: 30-Aug-12

Benzene	0.504	0.0500	mg/kg	0.500		101	70-130			
1,2-Dichloroethane	0.481	0.0500	mg/kg	0.500		96.3	70-130			
Trichloroethene	0.497	0.0500	mg/kg	0.500		99.4	70-130			
Toluene	0.501	0.0500	mg/kg	0.500		100	70-130			
Tetrachloroethene	0.525	0.0500	mg/kg	0.500		105	70-130			
1,1,2-Trichloroethane	0.485	0.0500	mg/kg	0.500		97.0	70-130			
1,2-Dibromoethane	0.469	0.0500	mg/kg	0.500		93.8	70-130			
Ethylbenzene	0.500	0.0500	mg/kg	0.500		100	70-130			
m-p Xylenes	0.992	0.100	mg/kg	1.00		99.2	70-130			
o-Xylene	0.470	0.0500	mg/kg	0.500		94.0	70-130			
Total Xylenes	1.46	0.150	mg/kg	1.50		97.5	70-130			
1,1,2,2-Tetrachloroethane	0.452	0.0500	mg/kg	0.500		90.4	70-130			
Naphthalene	0.423	0.0500	mg/kg	0.500		84.7	70-130			
Surrogate: Dibromofluoromethane	0.484		mg/kg	0.500		96.7	70-130			
Surrogate: Toluene-d8	0.500		mg/kg	0.500		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.498		mg/kg	0.500		99.6	70-130			

LCS Dup (2083011-BS1)


Prepared & Analyzed: 30-Aug-12

Vinyl chloride	0.402	0.0500	mg/kg	0.500		80.4	70-130	25.0	20	QR-02
1,1-Dichloroethene	0.380	0.0500	mg/kg	0.500		76.1	70-130	15.0	20	
Methylene chloride	0.430	0.0500	mg/kg	0.500		86.0	70-130	8.01	20	
1,1-Dichloroethane	0.458	0.0500	mg/kg	0.500		91.6	70-130	8.61	20	
Chloroform	0.433	0.0500	mg/kg	0.500		86.5	70-130	7.67	20	
Carbon tetrachloride	0.440	0.0500	mg/kg	0.500		88.1	70-130	11.2	20	
1,1,1-Trichloroethane	0.442	0.0500	mg/kg	0.500		88.5	70-130	10.0	20	
Benzene	0.460	0.0500	mg/kg	0.500		92.1	70-130	9.14	20	
1,2-Dichloroethane	0.449	0.0500	mg/kg	0.500		89.8	70-130	6.92	20	
Trichloroethene	0.453	0.0500	mg/kg	0.500		90.5	70-130	9.32	20	
Toluene	0.468	0.0500	mg/kg	0.500		93.7	70-130	6.72	20	
Tetrachloroethene	0.483	0.0500	mg/kg	0.500		96.6	70-130	8.39	20	
1,1,2-Trichloroethane	0.459	0.0500	mg/kg	0.500		91.8	70-130	5.53	20	
1,2-Dibromoethane	0.451	0.0500	mg/kg	0.500		90.3	70-130	3.87	20	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: DD LANDFARM (01-0034) 5 YR MO
 Project Number: DD LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 27-Sep-12 10:16

Volatile Organic Compounds by GCMS - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 2083011 - Volatiles
LCS Dup (2083011-BSD1)

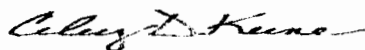
Prepared & Analyzed: 30-Aug-12

Ethylbenzene	0.462	0.0500	mg/kg	0.500		92.5	70-130	7.80	20
m-p Xylenes	0.921	0.100	mg/kg	1.00		92.1	70-130	7.48	20
o-Xylene	0.437	0.0500	mg/kg	0.500		87.5	70-130	7.23	20
Total Xylenes	1.36	0.150	mg/kg	1.50		90.5	70-130	7.40	20
1,1,2,2-Tetrachloroethane	0.438	0.0500	mg/kg	0.500		87.7	70-130	3.02	20
Naphthalene	0.408	0.0500	mg/kg	0.500		81.7	70-130	3.65	20
Surrogate: Dibromofluoromethane	0.478		mg/kg	0.500		95.6	70-130		
Surrogate: Toluene-d8	0.510		mg/kg	0.500		102	70-130		
Surrogate: 4-Bromofluorobenzene	0.497		mg/kg	0.500		99.4	70-130		

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Coley D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: DD LANDFARM (01-0034) 5 YR MO
 Project Number: DD LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 27-Sep-12 10:16

Semivolatile Organic Compounds by GCMS - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2082202 - SW-846 3550
Blank (2082202-BLK1)

Prepared: 20-Aug-12 Analyzed: 21-Aug-12

Naphthalene	ND	0.040	mg/kg							
2-Methylnaphthalene	ND	0.040	mg/kg							
1-Methylnaphthalene	ND	0.040	mg/kg							
Acenaphthylene	ND	0.040	mg/kg							
Acenaphthene	ND	0.040	mg/kg							
Fluorene	ND	0.040	mg/kg							
Phenanthrene	ND	0.040	mg/kg							
Anthracene	ND	0.040	mg/kg							
Carbazole	ND	0.040	mg/kg							
Fluoranthene	ND	0.040	mg/kg							
Pyrene	ND	0.040	mg/kg							
Benzo[a]anthracene	ND	0.040	mg/kg							
Chrysene	ND	0.040	mg/kg							
Benzo[b]fluoranthene	ND	0.040	mg/kg							
Benzo[k]fluoranthene	ND	0.040	mg/kg							
Benzo[a]pyrene	ND	0.040	mg/kg							
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg							
Dibenz[a,h]anthracene	ND	0.040	mg/kg							
Benzo[g,h,i]perylene	ND	0.040	mg/kg							
Surrogate: Nitrobenzene-d5	0.937		mg/kg	2.00		46.8	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	0.930		mg/kg	2.00		46.5	27.2-92.9			
Surrogate: Terphenyl-d14	1.02		mg/kg	2.00		51.0	21.3-96.1			

LCS (2082202-BS1)

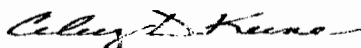
Prepared: 20-Aug-12 Analyzed: 21-Aug-12

Naphthalene	0.174	0.040	mg/kg	0.400		43.4	5.46-157			
2-Methylnaphthalene	0.148	0.040	mg/kg	0.400		36.9	16.1-146			
Acenaphthylene	0.235	0.040	mg/kg	0.400		58.8	21.6-144			
Acenaphthene	0.238	0.040	mg/kg	0.400		59.6	27-143			
Fluorene	0.237	0.040	mg/kg	0.400		59.2	30.9-138			
Phenanthrene	0.254	0.040	mg/kg	0.400		63.6	38.6-149			
Anthracene	0.244	0.040	mg/kg	0.400		61.0	36.1-149			
Carbazole	0.240	0.040	mg/kg	0.400		60.1	29.8-144			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: DD LANDFARM (01-0034) 5 YR MO
Project Number: DD LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
27-Sep-12 10:16

Semivolatile Organic Compounds by GCMS - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2082202 - SW-846 3550
LCS (2082202-BS1)

Prepared: 20-Aug-12 Analyzed: 21-Aug-12

Fluoranthene	0.250	0.040	mg/kg	0.400		62.4	34.6-148			
Pyrene	0.236	0.040	mg/kg	0.400		59.0	24.8-154			
Benzo[a]anthracene	0.229	0.040	mg/kg	0.400		57.2	0-179			
Chrysene	0.241	0.040	mg/kg	0.400		60.3	35.1-150			
Benzo[b]fluoranthene	0.240	0.040	mg/kg	0.400		59.9	17.6-158			
Benzo[k]fluoranthene	0.274	0.040	mg/kg	0.400		68.4	10.6-169			
Benzo[a]pyrene	0.243	0.040	mg/kg	0.400		60.8	2.25-166			
Indeno[1,2,3-cd]pyrene	0.248	0.040	mg/kg	0.400		61.9	0-181			
Dibenz[a,h]anthracene	0.257	0.040	mg/kg	0.400		64.2	2.49-177			
Benzo[g,h,i]perylene	0.262	0.040	mg/kg	0.400		65.4	0-173			

Surrogate: Nitrobenzene-d5

1.20 mg/kg 2.00 59.9 16.1-91.8

Surrogate: 2-Fluorobiphenyl

1.27 mg/kg 2.00 63.5 27.2-92.9

Surrogate: Terphenyl-d4

1.32 mg/kg 2.00 66.2 21.3-96.1

LCS Dup (2082202-BSD1)

Prepared: 20-Aug-12 Analyzed: 21-Aug-12

Naphthalene	0.271	0.040	mg/kg	0.400		67.7	5.46-157	43.7	50	
2-Methylnaphthalene	0.282	0.040	mg/kg	0.400		70.4	16.1-146	62.4	50	QR-02
Acenaphthylene	0.396	0.040	mg/kg	0.400		99.0	21.6-144	51.0	50	QR-02
Acenaphthene	0.344	0.040	mg/kg	0.400		86.0	27-143	36.2	50	
Fluorene	0.367	0.040	mg/kg	0.400		91.7	30.9-138	43.1	50	
Phenanthrene	0.372	0.040	mg/kg	0.400		93.0	38.6-149	37.7	50	
Anthracene	0.356	0.040	mg/kg	0.400		89.0	36.1-149	37.2	50	
Carbazole	0.355	0.040	mg/kg	0.400		88.8	29.8-144	38.6	50	
Fluoranthene	0.360	0.040	mg/kg	0.400		90.1	34.6-148	36.3	50	
Pyrene	0.359	0.040	mg/kg	0.400		89.7	24.8-154	41.3	50	
Benzo[a]anthracene	0.339	0.040	mg/kg	0.400		84.8	0-179	38.8	50	
Chrysene	0.353	0.040	mg/kg	0.400		88.3	35.1-150	37.6	50	
Benzo[b]fluoranthene	0.349	0.040	mg/kg	0.400		87.4	17.6-158	37.3	50	
Benzo[k]fluoranthene	0.394	0.040	mg/kg	0.400		98.6	10.6-169	36.1	44.6	
Benzo[a]pyrene	0.368	0.040	mg/kg	0.400		91.9	2.25-166	40.8	60.5	
Indeno[1,2,3-cd]pyrene	0.411	0.040	mg/kg	0.400		103	0-181	49.5	77	
Dibenz[a,h]anthracene	0.428	0.040	mg/kg	0.400		107	2.49-177	50.0	63.3	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: DD LANDFARM (01-0034) 5 YR MO
 Project Number: DD LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 27-Sep-12 10:16

Semivolatile Organic Compounds by GCMS - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 2082202 - SW-846 3550
LCS Dup (2082202-BSD1)

Prepared: 20-Aug-12 Analyzed: 21-Aug-12

Benzo[g,h,i]perylene	0.435	0.040	mg/kg	0.400		109	0-173	49.9	77.4	
Surrogate: Nitrobenzene-d5	1.72		mg/kg	2.00		86.2	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	1.70		mg/kg	2.00		84.9	27.2-92.9			
Surrogate: Terphenyl-d14	1.96		mg/kg	2.00		97.8	21.3-96.1			

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Celey D. Keene, Lab Director/Quality Manager


Notes and Definitions

SUB-SS	Analysis subcontracted to SunStar Laboratories, Inc.
SUB-RS	Analysis subcontracted to Radiation Safety Engineering, Inc.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
GAL	Analysis subcontracted to Green Analytical Laboratories, a subsidiary of Cardinal Laboratories.
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

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Celey D. Keene, Lab Director/Quality Manager

1 of 3

Continued

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Eddie Sam Consulting</u> Project Manager: <u>Eddie Sam</u> Address: <u>1501 W. T. N. N. Ave</u> City: <u>Albuquerque</u> State: <u>NM</u> Zip: <u>87102</u> Phone #: <u>2-2236</u> Fax #: <u>2-6949</u> Project #: <u>DD LF</u> Project Owner: <u>DD LF (NM-01-0034)</u> Project Name: <u>DD LF (NM-01-0034)</u> Project Location: <u>Sub 31 T. 21 R. 38 (E. Emery)</u> Sampler Name: <u>Eddie Sam (S. Montero)</u>		BILL TO P.O. #: Company: Attn: Address: City: State: Phone #: Fax #:		ANALYSIS REQUEST 3TEX TPH (8045) Arsenic Barium Cadmium Cyanide Lead Manganese Silicon PCB	
FOR LAB USE ONLY Lab I.D. <u>H701972</u> Sample I.D. <u>Cell 3-1</u> <u>Cell 3-2</u> <u>Cell 3-3</u> <u>Cell 3-4</u>		MATRIX # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER ACID/BASE ICE/COOL OTHER		PRESERV DATE TIME <u>8/20 2:15</u> <u>8/20 2:50</u> <u>8/20 3:40</u> <u>8/20 4:30</u>	

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Relinquished By: <u>Eddie Sam</u> Relinquished By: <u>Eddie Sam</u>	Received By: <u>Jodi Benson</u> Received By: <u>Jodi Benson</u>	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: <u>all 20-6-2-3103 A+B</u>
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool - Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Initials: <u>JS</u>	Date: <u>8/21</u> Time: <u>8:30</u> Date: <u>8/21</u> Time: <u>8:30</u>



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

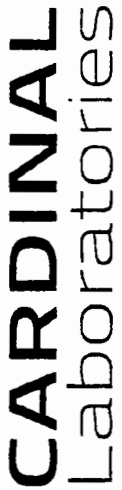
Company Name: <u>Eddie Sam Consulting</u>		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Eddie Sam</u>		P.O. #:			
Address: <u>601 W. TILLMAN</u>		Company:			
City: <u>Hobbs</u>		Attn:			
State: <u>NM</u> Zip: <u>88242</u>		Address: <u>Same</u>			
Phone #: <u>2-2236</u> Fax #: <u>2-6949</u>		City:			
Project #: <u>DD LR</u> Project Owner: <u>J. Cogges</u>		State:			
Project Name: <u>DD Landfill</u> NM-01-0354		Phone #:			
Project Location: <u>Set 31 E. Eviner</u>		Fax #:			
Sampler Name: <u>Eddie Sam</u> <u>Syk Monitoring</u>					
FOR LAB USE ONLY		MATRIN		PRESERV	
		WASTEWATER		ICE/COOL	
		GROUNWATER		OTHER	
		# CONTAINERS		OTHER	
		(GAS) OR (COMP)		ACID/BASE	
				DATE	
				TIME	
Lab I.D.		Sample I.D.			
<u>H201972</u>		<u>Cell 3-1</u>			
		<u>Cell 3-2</u>			
		<u>Cell 3-3</u>			
		<u>Cell 3-4</u>			

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Relinquished By: <u>Eddie Sam</u>	Date: <u>8/21</u>	Received By: <u>Eddie Sam</u>	Date: <u>8/21</u>
Relinquished By:	Time: <u>11:30</u>	Received By:	Time:
	Date:		Date:
	Time:		Time:
Delivered By: (Circle One)	Sample Condition	Checked By:	
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)	
	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		

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:	
<u>20-6-2-3103 A-B</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326.



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1. Ed. 2

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326.

February 27, 2012

RECEIVED OCD

2012 MAR -2 A 10: 05

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

RE: DD Landfarm (Permit #01-0034)
Semi-Annual Sampling

Mr. Jones:

Find within the semi-annual sampling for both the treatment zone and vadose zone as required.

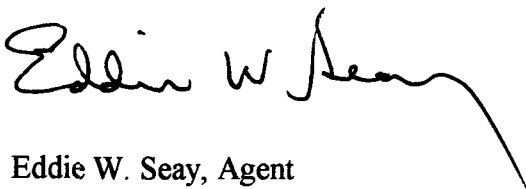
The treatment zone samples were taken at two to four inches of surface making one composite from four discrete samples for each cell, testing for TPH and Chloride.

The vadose zone samples were taken at approximately three feet below the natural surface level. There were four randomly selected samples from each cell, testing for BTEX, TPH and Chloride. I also composited the four vadose samples to make a sample to be analyzed for WQCC metals, for each cell.

We will continue to operate and maintain the facility as our permit and rule 36 requires. We will finish up sampling of the cells for the "Five Year Monitoring" on the next sampling event.

If you have any questions or need anything further, please call.

Sincerely,



Eddie W. Seay, Agent
Eddie Seay Consulting
601 W. Illinois
Hobbs, NM 88242
575-392-2236
seay04@leaco.net

cc: DD Landfarm

February 24, 2012

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: D D LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 02/08/12 16:40.

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 on accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

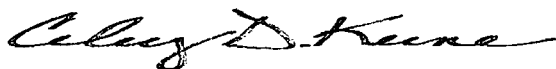
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

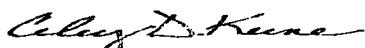
Reported:
24-Feb-12 17:13

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL 1 - 1T	H200315-01	Soil	08-Feb-12 06:50	08-Feb-12 16:40
CELL 1 - 1V	H200315-02	Soil	08-Feb-12 07:20	08-Feb-12 16:40
CELL 1 - 2V	H200315-03	Soil	08-Feb-12 07:40	08-Feb-12 16:40
CELL 1 - 3V	H200315-04	Soil	08-Feb-12 08:10	08-Feb-12 16:40
CELL 1 - 4V	H200315-05	Soil	08-Feb-12 08:30	08-Feb-12 16:40
CELL 1 - 5VM	H200315-06	Soil	08-Feb-12 08:55	08-Feb-12 16:40
CELL 2 - 1T	H200315-07	Soil	08-Feb-12 09:25	08-Feb-12 16:40
CELL 2 - 1V	H200315-08	Soil	08-Feb-12 09:50	08-Feb-12 16:40
CELL 2 - 2V	H200315-09	Soil	08-Feb-12 10:30	08-Feb-12 16:40
CELL 2 - 3V	H200315-10	Soil	08-Feb-12 10:55	08-Feb-12 16:40
CELL 2 - 4V	H200315-11	Soil	08-Feb-12 11:30	08-Feb-12 16:40
CELL 2 - 5VM	H200315-12	Soil	08-Feb-12 11:45	08-Feb-12 16:40
CELL 3 - 1T	H200315-13	Soil	08-Feb-12 12:40	08-Feb-12 16:40
CELL 3 - 1V	H200315-14	Soil	08-Feb-12 14:00	08-Feb-12 16:40
CELL 3 - 2V	H200315-15	Soil	08-Feb-12 14:25	08-Feb-12 16:40
CELL 3 - 3V	H200315-16	Soil	08-Feb-12 15:05	08-Feb-12 16:40
CELL 3 - 4V	H200315-17	Soil	08-Feb-12 15:40	08-Feb-12 16:40
CELL 3 - 5VM	H200315-18	Soil	08-Feb-12 14:50	08-Feb-12 16:40

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
24-Feb-12 17:13**CELL 1 - 1T**
H200315-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021139	MS	09-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021139	MS	09-Feb-12	8015M	

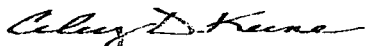
Surrogate: 1-Chlorooctane 97.9 % 55.5-154 2021139 MS 09-Feb-12 8015M

Surrogate: 1-Chlorooctadecane 99.8 % 57.6-158 2021139 MS 09-Feb-12 8015M

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: D D LANDFARM
 Project Number: DD LF
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Feb-12 17:13

CELL 1 - 1V
H200315-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021139	MS	09-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021139	MS	09-Feb-12	8015M	
Surrogate: 1-Chlorooctane		92.3 %	55.5-154		2021139	MS	09-Feb-12	8015M	
Surrogate: 1-Chlorooctadecane		89.9 %	57.6-158		2021139	MS	09-Feb-12	8015M	

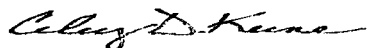
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	2021405	AP	14-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	14-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	14-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	14-Feb-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		117 %	64.4-134		2021405	AP	14-Feb-12	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
24-Feb-12 17:13**CELL 1 - 2V**
H200315-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
----------	----	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021139	MS	09-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021139	MS	09-Feb-12	8015M	
Surrogate: 1-Chlorooctane		97.3 %	55.5-154		2021139	MS	09-Feb-12	8015M	
Surrogate: 1-Chlorooctadecane		98.6 %	57.6-158		2021139	MS	09-Feb-12	8015M	

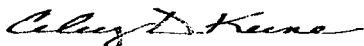
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		104 %	64.4-134		2021405	AP	15-Feb-12	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 1 - 3V
H200315-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021139	MS	09-Feb-12	8015M
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DRO >C10-C28	ND	10.0	mg/kg	1	2021139	MS	09-Feb-12	8015M
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Surrogate: 1-Chlorooctane	75.1 %	55.5-154		2021139	MS	09-Feb-12	8015M
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Surrogate: 1-Chlorooctadecane	75.3 %	57.6-158		2021139	MS	09-Feb-12	8015M
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Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B
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Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B
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Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B
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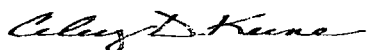
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B
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Surrogate: 4-Bromofluorobenzene (PID)	101 %	64.4-134		2021405	AP	15-Feb-12	8021B
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: D D LANDFARM
 Project Number: DD LF
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Feb-12 17:13

CELL 1 - 4V
H200315-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M	
Surrogate: 1-Chlorooctane		114 %	55.5-154		2021139	MS	10-Feb-12	8015M	
Surrogate: 1-Chlorooctadecane		112 %	57.6-158		2021139	MS	10-Feb-12	8015M	

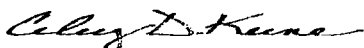
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		105 %	64.4-134		2021405	AP	15-Feb-12	8021B	

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Celey D. Keene, Lab Director/Quality Manager

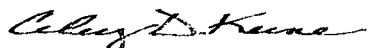
Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
24-Feb-12 17:13**CELL 1 - SVM
H200315-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories									
Total Metals									
Arsenic	ND	10.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Barium	13.1	1.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Chromium	ND	5.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Copper	ND	3.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010		GAL
Iron	2110	5.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010		GAL
Lead	ND	10.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Manganese	26.1	0.5 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010		GAL
Mercury	ND	0.095 mg/kg dry wt.	476	2022411	CK	14-Feb-12	7471A		GAL
Selenium	ND	20.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Silver	ND	5.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Zinc	5.5	5.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010		GAL
Inorganic Compounds									
% Solids	96.3		%	4	2022412	CK	14-Feb-12	D2216	GAL

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 2 - 1T
H200315-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-CL-B	
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Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	2021139	MS	10-Feb-12	8015M	
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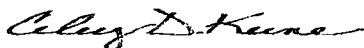
DRO >C10-C28	ND	50.0	mg/kg	5	2021139	MS	10-Feb-12	8015M	
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Surrogate: 1-Chlorooctane		87.1 %	55.5-154		2021139	MS	10-Feb-12	8015M	
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Surrogate: 1-Chlorooctadecane		95.9 %	57.6-158		2021139	MS	10-Feb-12	8015M	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 2 - 1V
H200315-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M	

Surrogate: 1-Chlorooctane 98.4 % 55.5-154 2021139 MS 10-Feb-12 8015M

Surrogate: 1-Chlorooctadecane 98.3 % 57.6-158 2021139 MS 10-Feb-12 8015M

Volatile Organic Compounds by EPA Method 8021

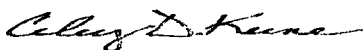
Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 108 % 64.4-134 2021405 AP 15-Feb-12 8021B

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 2 - 2V
H200315-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M
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DRO >C10-C28	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M
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Surrogate: 1-Chlorooctane	111 %	55.5-154		2021139	MS	10-Feb-12	8015M
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Surrogate: 1-Chlorooctadecane	111 %	57.6-158		2021139	MS	10-Feb-12	8015M
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Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B
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Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B
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Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B
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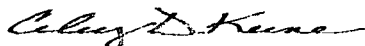
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B
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Surrogate: 4-Bromofluorobenzene (PID)	110 %	64.4-134		2021405	AP	15-Feb-12	8021B
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 2 - 3V
H200315-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M	

Surrogate: 1-Chlorooctane 106 % 55.5-154 2021139 MS 10-Feb-12 8015M

Surrogate: 1-Chlorooctadecane 106 % 57.6-158 2021139 MS 10-Feb-12 8015M

Volatile Organic Compounds by EPA Method 8021

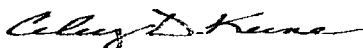
Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 64.4-134 2021405 AP 15-Feb-12 8021B

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 2 - 4V
H200315-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021139	MS	10-Feb-12	8015M	

Surrogate: 1-Chlorooctane 104 % 55.5-154 2021139 MS 10-Feb-12 8015M

Surrogate: 1-Chlorooctadecane 106 % 57.6-158 2021139 MS 10-Feb-12 8015M

Volatile Organic Compounds by EPA Method 8021

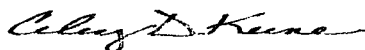
Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 64.4-134 2021405 AP 15-Feb-12 8021B

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

**CELL 2 - 5VM
H200315-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Total Metals

Arsenic	ND	10.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B	GAL
Barium	12.3	1.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B	GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B	GAL
Chromium	ND	5.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B	GAL
Copper	ND	3.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010	GAL
Iron	2240	5.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010	GAL
Lead	ND	10.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B	GAL
Manganese	23.4	0.5 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010	GAL
Mercury	ND	0.099 mg/kg dry wt.	495	2022411	CK	14-Feb-12	7471A	GAL
Selenium	ND	20.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B	GAL
Silver	ND	5.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B	GAL
Zinc	5.1	5.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010	GAL

Inorganic Compounds

% Solids	98.7	%	4	2022412	CK	14-Feb-12	D2216	GAL
Chloride	ND	16.0 mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	

Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	2021139	MS	10-Feb-12	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	2021139	MS	10-Feb-12	8015M	
Surrogate: 1-Chlorooctane	82.1 %	55.5-154	2021139	MS	10-Feb-12	8015M		
Surrogate: 1-Chlorooctadecane	83.7 %	57.6-158	2021139	MS	10-Feb-12	8015M		

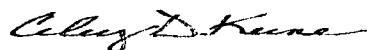
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050 mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050 mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050 mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150 mg/kg	50	2021405	AP	15-Feb-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	109 %	64.4-134	2021405	AP	15-Feb-12	8021B		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 3 - 1T
H200315-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	
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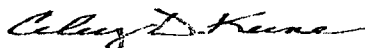
DRO >C10-C28	12.1	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	
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Surrogate: 1-Chlorooctane		105 %	55.5-154		2021130	MS	13-Feb-12	8015M	
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Surrogate: 1-Chlorooctadecane		111 %	57.6-158		2021130	MS	13-Feb-12	8015M	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 3 - 1V
H200315-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	

Surrogate: 1-Chlorooctane		78.6 %	55.5-154		2021130	MS	13-Feb-12	8015M	
Surrogate: 1-Chlorooctadecane		81.0 %	57.6-158		2021130	MS	13-Feb-12	8015M	

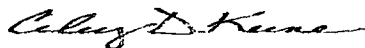
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		107 %	64.4-134		2021405	AP	15-Feb-12	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 3 - 2V
H200315-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	
Surrogate: 1-Chlorooctane		91.2 %	55.5-154		2021130	MS	13-Feb-12	8015M	
Surrogate: 1-Chlorooctadecane		99.5 %	57.6-158		2021130	MS	13-Feb-12	8015M	

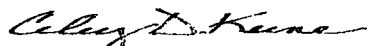
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		105 %	64.4-134		2021405	AP	15-Feb-12	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 3 - 3V H200315-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	
Surrogate: 1-Chlorooctane		106 %	55.5-154		2021130	MS	13-Feb-12	8015M	
Surrogate: 1-Chlorooctadecane		108 %	57.6-158		2021130	MS	13-Feb-12	8015M	

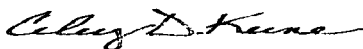
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		106 %	64.4-134		2021405	AP	15-Feb-12	8021B	

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Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

CELL 3 - 4V
H200315-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	ND	16.0	mg/kg	4	2021117	AP	11-Feb-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2021130	MS	13-Feb-12	8015M	
Surrogate: 1-Chlorooctane		97.5 %	55.5-154		2021130	MS	13-Feb-12	8015M	
Surrogate: 1-Chlorooctadecane		101 %	57.6-158		2021130	MS	13-Feb-12	8015M	

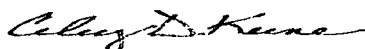
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Toluene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Total Xylenes	ND	0.150	mg/kg	50	2021405	AP	15-Feb-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		107 %	64.4-134		2021405	AP	15-Feb-12	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

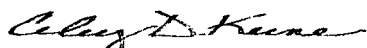
CELL 3 - SVM
H200315-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories									
Total Metals									
Arsenic	ND	10.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Barium	10.9	1.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Cadmium	ND	5.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Chromium	ND	5.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Copper	ND	3.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010		GAL
Iron	1930	5.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010		GAL
Lead	ND	10.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Manganese	23.4	0.5 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010		GAL
Mercury	ND	0.098 mg/kg dry wt.	490	2022411	CK	14-Feb-12	7471A		GAL
Selenium	ND	20.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Silver	ND	5.00 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010B		GAL
Zinc	5.1	5.0 mg/kg dry wt.	100	2022409	CK	15-Feb-12	6010		GAL
Inorganic Compounds									
% Solids	97.6		%	4	2022412	CK	14-Feb-12	D2216	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
24-Feb-12 17:13**Total Metals - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022409 - EPA 3050**Blank (2022409-BLK1)**

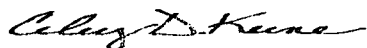
Prepared & Analyzed: 15-Feb-12

Barium	ND	0.0100	mg/kg dry wt.							
Iron	ND	0.05	mg/kg dry wt.							
Chromium	ND	0.0500	mg/kg dry wt.							
Copper	0.03	0.02	mg/kg dry wt.							A-01
Selenium	ND	0.200	mg/kg dry wt.							
Cadmium	ND	0.0500	mg/kg dry wt.							
Lead	ND	0.100	mg/kg dry wt.							
Manganese	ND	0.005	mg/kg dry wt.							
Arsenic	ND	0.100	mg/kg dry wt.							
Silver	ND	0.050	mg/kg dry wt.							
Zinc	ND	0.05	mg/kg dry wt.							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

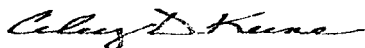
Total Metals - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2022409 - EPA 3050										
LCS (2022409-BS1)										
Prepared & Analyzed: 15-Feb-12										
Barium	1.96		mg/kg	2.00		98.0	85-115			
Chromium	2.03		mg/kg	2.00		102	85-115			
Arsenic	3.84		mg/kg	4.00		96.0	85-115			
Lead	2.04		mg/kg	2.00		102	85-115			
Selenium	7.84		mg/kg	8.00		98.0	85-115			
Cadmium	2.02		mg/kg	2.00		101	85-115			
Iron	4.0		mg/kg	4.00		101	85-115			
Silver	0.098		mg/kg	0.100		98.0	85-115			
Zinc	2.0		mg/kg	2.00		98.5	85-115			
Manganese	2.0		mg/kg	2.00		99.0	85-115			
Copper	4.13		mg/kg	4.00		103	85-115			

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: D D LANDFARM
 Project Number: DD LF
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Feb-12 17:13

Total Metals - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022409 - EPA 3050
LCS Dup (2022409-BSD1)

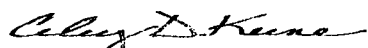
Prepared & Analyzed: 15-Feb-12

Arsenic	3.79		mg/kg	4.00		94.8	85-115	1.31	20
Zinc	2.0		mg/kg	2.00		99.0	85-115	0.506	20
Selenium	7.87		mg/kg	8.00		98.4	85-115	0.382	20
Barium	1.96		mg/kg	2.00		98.0	85-115	0.00	20
Lead	2.04		mg/kg	2.00		102	85-115	0.00	20
Cadmium	2.04		mg/kg	2.00		102	85-115	0.985	20
Silver	0.099		mg/kg	0.100		99.0	85-115	1.02	20
Iron	4.0		mg/kg	4.00		101	85-115	0.248	20
Chromium	2.04		mg/kg	2.00		102	85-115	0.491	20
Copper	4.15		mg/kg	4.00		104	85-115	0.483	20
Manganese	2.0		mg/kg	2.00		99.5	85-115	0.504	20

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
24-Feb-12 17:13**Total Metals - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022411 - EPA 7471

Blank (2022411-BLK1)

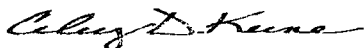
Prepared & Analyzed: 14-Feb-12

Mercury	ND	0.0002	mg/kg dry wt.
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
24-Feb-12 17:13**Mercury (Total) by CVAA - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022411 - EPA 7471

LCS (2022411-BS1)

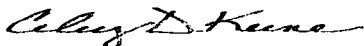
Prepared & Analyzed: 14-Feb-12

Mercury	1.05		mg/kg	1.00		105	85-115			
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

Mercury (Total) by CVAA - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022411 - EPA 7471**LCS Dup (2022411-BSD1)**

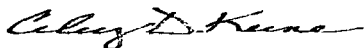
Prepared & Analyzed: 14-Feb-12

Mercury	1.05		mg/kg	1.00		105	85-115	0.00	20	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

Mercury (Total) by CVAA - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2021117 - General Prep - Wet Chem
Blank (2021117-BLK1)

Prepared & Analyzed: 11-Feb-12

Chloride ND 16.0 mg/kg

LCS (2021117-BS1)

Prepared & Analyzed: 11-Feb-12

Chloride 384 16.0 mg/kg 400 96.0 80-120

LCS Dup (2021117-BSD1)

Prepared & Analyzed: 11-Feb-12

Chloride 400 16.0 mg/kg 400 100 80-120 4.08 20

Duplicate (2021117-DUP1)

Source: H200307-29

Prepared & Analyzed: 11-Feb-12

Chloride 16.0 16.0 mg/kg 16.0 0.00 20

Matrix Spike (2021117-MS1)

Source: H200307-29

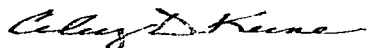
Prepared & Analyzed: 11-Feb-12

Chloride 432 16.0 mg/kg 400 16.0 104 80-120

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

Organic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2021130 - General Prep - Organics										
Blank (2021130-BLK1)				Prepared & Analyzed: 13-Feb-12						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.7		mg/kg	50.0		99.3	55.5-154			
Surrogate: 1-Chlorooctadecane	50.8		mg/kg	50.0		102	57.6-158			
LCS (2021130-BS1)				Prepared & Analyzed: 13-Feb-12						
GRO C6-C10	175	10.0	mg/kg	200		87.4	63.5-131			
DRO >C10-C28	184	10.0	mg/kg	200		92.2	52.3-130			
Total TPH C6-C28	359	10.0	mg/kg	400		89.8	62-129			
Surrogate: 1-Chlorooctane	43.3		mg/kg	50.0		86.5	55.5-154			
Surrogate: 1-Chlorooctadecane	43.0		mg/kg	50.0		86.0	57.6-158			
LCS Dup (2021130-BSD1)				Prepared & Analyzed: 13-Feb-12						
GRO C6-C10	188	10.0	mg/kg	200		93.9	63.5-131	7.12	13.9	
DRO >C10-C28	197	10.0	mg/kg	200		98.7	52.3-130	6.80	18.1	
Total TPH C6-C28	385	10.0	mg/kg	400		96.3	62-129	6.95	16.2	
Surrogate: 1-Chlorooctane	47.8		mg/kg	50.0		95.6	55.5-154			
Surrogate: 1-Chlorooctadecane	45.2		mg/kg	50.0		90.4	57.6-158			
Matrix Spike (2021130-MS1)				Source: H200315-13 Prepared & Analyzed: 13-Feb-12						
GRO C6-C10	182	10.0	mg/kg	200	ND	91.0	46.4-144			
DRO >C10-C28	165	10.0	mg/kg	200	12.1	76.4	33.5-141			
Total TPH C6-C28	347	10.0	mg/kg	400	14.8	83.0	52.7-131			
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.5	55.5-154			
Surrogate: 1-Chlorooctadecane	47.2		mg/kg	50.0		94.4	57.6-158			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13

Organic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2021130 - General Prep - Organics

Matrix Spike Dup (2021130-MSD1)

Source: H200315-13

Prepared & Analyzed: 13-Feb-12

GRO C6-C10	198	10.0	mg/kg	200	ND	98.9	46.4-144	8.24	46.5	
DRO >C10-C28	176	10.0	mg/kg	200	12.1	81.9	33.5-141	6.95	933	
Total TPH C6-C28	374	10.0	mg/kg	400	14.8	89.7	52.7-131	7.71	55.4	
Surrogate: 1-Chlorooctane	50.2		mg/kg	50.0		100	55.5-154			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.6	57.6-158			

Batch 2021139 - General Prep - Organics

Blank (2021139-BLK1)

Prepared & Analyzed: 09-Feb-12

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	38.1		mg/kg	50.0		76.2	55.5-154			
Surrogate: 1-Chlorooctadecane	36.5		mg/kg	50.0		73.1	57.6-158			

LCS (2021139-BS1)

Prepared & Analyzed: 09-Feb-12

GRO C6-C10	182	10.0	mg/kg	200		91.0	63.5-131			
DRO >C10-C28	211	10.0	mg/kg	200		106	52.3-130			
Total TPH C6-C28	393	10.0	mg/kg	400		98.3	62-129			
Surrogate: 1-Chlorooctane	49.5		mg/kg	50.0		99.1	55.5-154			
Surrogate: 1-Chlorooctadecane	52.1		mg/kg	50.0		104	57.6-158			

LCS Dup (2021139-BSD1)

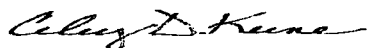
Prepared & Analyzed: 09-Feb-12

GRO C6-C10	185	10.0	mg/kg	200		92.3	63.5-131	1.43	13.9	
DRO >C10-C28	216	10.0	mg/kg	200		108	52.3-130	2.22	18.1	
Total TPH C6-C28	401	10.0	mg/kg	400		100	62-129	1.86	16.2	
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	55.5-154			
Surrogate: 1-Chlorooctadecane	49.6		mg/kg	50.0		99.2	57.6-158			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: D D LANDFARM
 Project Number: DD LF
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Feb-12 17:13

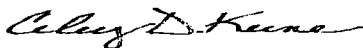
Organic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 2021139 - General Prep - Organics									
Matrix Spike (2021139-MS1)		Source: H200309-01			Prepared & Analyzed: 09-Feb-12				
GRO C6-C10	208	20.0	mg/kg	200	35.9	86.0	46.4-144		
DRO >C10-C28	1220	20.0	mg/kg	200	1050	86.7	33.5-141		
Total TPH C6-C28	1430	20.0	mg/kg	400	1090	86.4	52.7-131		
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	55.5-154		
Surrogate: 1-Chlorooctadecane	58.9		mg/kg	50.0		118	57.6-158		
Matrix Spike Dup (2021139-MSD1)		Source: H200309-01			Prepared & Analyzed: 09-Feb-12				
GRO C6-C10	187	20.0	mg/kg	200	35.9	75.5	46.4-144	13.0	46.5
DRO >C10-C28	1160	20.0	mg/kg	200	1050	55.6	33.5-141	43.8	933
Total TPH C6-C28	1350	20.0	mg/kg	400	1090	65.6	52.7-131	27.4	55.4
Surrogate: 1-Chlorooctane	47.8		mg/kg	50.0		95.7	55.5-154		
Surrogate: 1-Chlorooctadecane	56.4		mg/kg	50.0		113	57.6-158		

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Feb-12 17:13


Volatile Organic Compounds by EPA Method 8021 - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2021405 - Volatiles										
Blank (2021405-BLK1)				Prepared & Analyzed: 14-Feb-12						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0541		mg/kg	0.0500		108	64.4-134			
LCS (2021405-BS1)				Prepared & Analyzed: 14-Feb-12						
Benzene	1.97	0.050	mg/kg	2.00		98.7	65.2-126			
Toluene	2.14	0.050	mg/kg	2.00		107	73.2-126			
Ethylbenzene	2.19	0.050	mg/kg	2.00		109	74.4-131			
Total Xylenes	6.85	0.150	mg/kg	6.00		114	73.5-130			
Surrogate: 4-Bromofluorobenzene (PID)	0.0556		mg/kg	0.0500		111	64.4-134			
LCS Dup (2021405-BSD1)				Prepared & Analyzed: 14-Feb-12						
Benzene	1.96	0.050	mg/kg	2.00		98.1	65.2-126	0.579	26.9	
Toluene	2.15	0.050	mg/kg	2.00		107	73.2-126	0.343	27.9	
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	74.4-131	0.552	28.5	
Total Xylenes	6.85	0.150	mg/kg	6.00		114	73.5-130	0.0751	27.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0538		mg/kg	0.0500		108	64.4-134			
Matrix Spike (2021405-MS1)				Source: H200307-23	Prepared: 14-Feb-12 Analyzed: 15-Feb-12					
Benzene	1.90	0.050	mg/kg	2.00	ND	94.9	38.5-146			
Toluene	2.05	0.050	mg/kg	2.00	ND	103	43.8-145			
Ethylbenzene	2.10	0.050	mg/kg	2.00	ND	105	38.7-154			
Total Xylenes	6.52	0.150	mg/kg	6.00	ND	109	46.4-151			
Surrogate: 4-Bromofluorobenzene (PID)	0.0530		mg/kg	0.0500		106	64.4-134			
Matrix Spike Dup (2021405-MSD1)				Source: H200307-23	Prepared: 14-Feb-12 Analyzed: 15-Feb-12					
Benzene	1.79	0.050	mg/kg	2.00	ND	89.3	38.5-146	6.09	51.6	
Toluene	1.92	0.050	mg/kg	2.00	ND	96.1	43.8-145	6.45	56.1	
Ethylbenzene	1.97	0.050	mg/kg	2.00	ND	98.6	38.7-154	6.07	59.8	
Total Xylenes	6.14	0.150	mg/kg	6.00	ND	102	46.4-151	6.00	61.7	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: D D LANDFARM
Project Number: DD LF
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
24-Feb-12 17:13**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2021405 - Volatiles

Matrix Spike Dup (2021405-MSD1)

Source: H200307-23

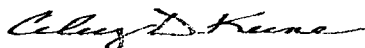
Prepared: 14-Feb-12 Analyzed: 15-Feb-12

Surrogate: 4-Bromofluorobenzene (PID)	0.0530		mg/kg	0.0500		106	64.4-134			
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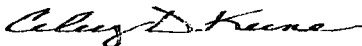
Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

GAL	Analysis subcontracted to Green Analytical Laboratories, a subsidiary of Cardinal Laboratories.
A-01	Target analyte detected in method blank. Reporting limit elevated to account for blank result.
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, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Eddie Seay Consulting		BILL TO		ANALYSIS REQUEST											
Project Manager: Eddie Seay		P.O. #:													
Address: 601 W Illinois		Company:													
City: Alton	State: NM	Zip: 88242	Attn:												
Phone #: 2-2236	Fax #: 2-6949	Address:													
Project #: DD LF	Project Owner: J. Cooney		City:												
Project Name: DD Landfarm (01-0034)		State:	Zip:												
Project Location: Sect. 31 T.21 R.38 E. Eunice		Phone #:													
Sampler Name: EWS Sami Ammal		Fax #:													

FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING																													
Lab I.D.	Sample I.D.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME																				
HZLD315																																	
1	Cell 1 - 1T	✓	✓	✓	✓				✓			2/8	6:50	BTX	TPH (G16)	Chloride	Trace Metals																
2	Cell 1 - 1V	✓	✓	✓	✓				✓			2/8	7:20	✓	✓	✓																	
3	Cell 1 - 2V	✓	✓	✓	✓				✓			2/8	7:40	✓	✓	✓																	
4	Cell 1 - 3V	✓	✓	✓	✓				✓			2/8	8:10	✓	✓	✓																	
5	Cell 1 - 4V	✓	✓	✓	✓				✓			2/8	8:30	✓	✓	✓																	
6	Cell 1 - 5 VM	✓	✓	✓	✓				✓			2/8	9:55	✓	✓	✓	✓																
7	Cell 2 - 1T	✓	✓	✓	✓				✓			2/8	9:25	✓	✓	✓																	
8	Cell 2 - 1V	✓	✓	✓	✓				✓			2/8	9:50	✓	✓	✓																	
9	Cell 2 - 2V	✓	✓	✓	✓				✓			2/8	10:30	✓	✓	✓																	

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Relinquished By: 	Date: 2/8	Received By: 	Time: 4:40	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
REMARKS:					

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	30	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)
--	----	--	-------------------------------



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Eddie Swan Consulting</u>				BILL TO				ANALYSIS REQUEST																					
Project Manager: <u>Eddie Swan</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs Metals</div> </div>																					
Address: <u>601 W Illinois</u>				Company:																									
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88242</u>				Attn:																									
Phone #: <u>2-2236</u> Fax #: <u>2-6949</u>				Address:																									
Project #: <u>DD LF</u> Project Owner: <u>J. Cogan</u>				City:																									
Project Name: <u>DD Landfarm (01-0034)</u>				State: Zip:																									
Project Location: <u>E. Eunice St 31</u>				Phone #:																									
Sampler Name: <u>EWS</u>				Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING																					
Lab I.D.	Sample I.D.	(G) (S) (O) (P) # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME																
<u>H200315</u>																													
<u>10</u>	<u>Cell 2 - 3V</u>	<u>✓</u>			<u>✓</u>				<u>✓</u>			<u>2/8</u>	<u>10:55</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>													
<u>11</u>	<u>Cell 2 - 4V</u>	<u>✓</u>			<u>✓</u>				<u>✓</u>			<u>2/8</u>	<u>11:30</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>													
<u>12</u>	<u>Cell 2 - 5VM</u>	<u>✓</u>			<u>✓</u>				<u>✓</u>			<u>2/8</u>	<u>11:45</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
<u>13</u>	<u>Cell 3 - 1V</u>	<u>✓</u>			<u>✓</u>				<u>✓</u>			<u>2/8</u>	<u>12:40</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>													
<u>14</u>	<u>Cell 3 - 1V</u>	<u>✓</u>			<u>✓</u>				<u>✓</u>			<u>2/8</u>	<u>2:00</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>													
<u>15</u>	<u>Cell 3 - 2V</u>	<u>✓</u>			<u>✓</u>				<u>✓</u>			<u>2/8</u>	<u>2:25</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>													
<u>16</u>	<u>Cell 3 - 3V</u>	<u>✓</u>			<u>✓</u>				<u>✓</u>			<u>2/8</u>	<u>3:05</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>													
<u>17</u>	<u>Cell 3 - 4V</u>	<u>✓</u>			<u>✓</u>				<u>✓</u>			<u>2/8</u>	<u>3:40</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>													
<u>18</u>	<u>Cell 3 - 5VM</u>	<u>✓</u>			<u>✓</u>				<u>✓</u>			<u>2/8</u>	<u>3:50</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												

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Relinquished By: <u>[Signature]</u>	Date: <u>2/8</u> Time: <u>4:40</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____ Add'l Fax #: _____
Relinquished By: _____	Date: _____ Time: _____	Received By: _____	REMARKS: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>30</u>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <u>[Signature]</u> (Initials)	

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

July 19, 2011

RECEIVED OCD

2011 JUL 21 A 11:53

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

RE: DD Landfarm (Permit #01-0034)
Semi-Annual Sampling

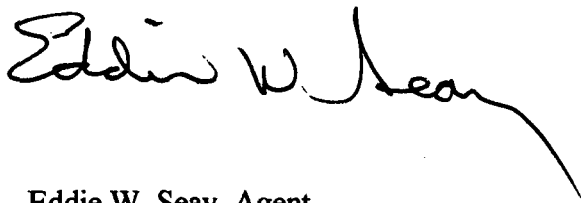
Mr. Jones:

Find attached the semi-annual sampling for both the treatment zone and vadose zone as required. The treatment zone samples were taken at a depth of four to six inches of surface within the cell lift.

The vadose samples were taken at approximately three to four feet below the cell lift. DD continues to disk and maintain records as permit requires.

Please let me know if you need anything further.

Thanks,

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

Eddie W. Seay, Agent
DD Landfarm
Eddie Seay Consulting
601 W. Illinois
Hobbs, NM 88242
575-392-2236
seay04@leaco.net

cc: DD Landfarm

July 08, 2011

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: D D LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 07/06/11 16:35.

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.

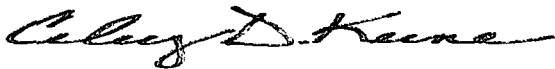
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 07/06/2011
 Reported: 07/08/2011
 Project Name: D D LANDFARM
 Project Number: NONE GIVEN
 Project Location: D D LAND FARM

 Sampling Date: 07/06/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL 1 - T (H101396-01)

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	07/07/2011	ND	432	108	400	11.8	
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	07/08/2011	ND	209	104	200	6.45	
DRO >C10-C28	70.6	10.0	07/08/2011	ND	181	90.3	200	1.75	
Surrogate: 1-Chlorooctane	94.1 %	70-130							
Surrogate: 1-Chlorooctadecane	95.7 %	70-130							


Sample ID: CELL 2 - T (H101396-02)

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	07/07/2011	ND	432	108	400	11.8	
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	07/08/2011	ND	209	104	200	6.45	
DRO >C10-C28	1100	50.0	07/08/2011	ND	181	90.3	200	1.75	
Surrogate: 1-Chlorooctane	111 %	70-130							
Surrogate: 1-Chlorooctadecane	119 %	70-130							

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*=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: 07/06/2011
Reported: 07/08/2011
Project Name: D D LANDFARM
Project Number: NONE GIVEN
Project Location: D D LAND FARM

Sampling Date: 07/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson


Sample ID: CELL 3 - T (H101396-03)

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	07/07/2011	ND	432	108	400	11.8		
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	07/08/2011	ND	209	104	200	6.45		
DRO >C10-C28	460	50.0	07/08/2011	ND	181	90.3	200	1.75		
Surrogate: 1-Chlorooctane	102 %	70-130								
Surrogate: 1-Chlorooctadecane	111 %	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: 07/06/2011
Reported: 07/08/2011
Project Name: D D LANDFARM
Project Number: NONE GIVEN
Project Location: D D LAND FARM

Sampling Date: 07/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL 1 - V (H101396-04)

BTX 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	07/07/2011	ND	1.91	95.4	2.00	2.61	
Toluene*	<0.050	0.050	07/07/2011	ND	2.07	104	2.00	3.05	
Ethylbenzene*	<0.050	0.050	07/07/2011	ND	2.15	107	2.00	5.60	
Total Xylenes*	<0.150	0.150	07/07/2011	ND	6.37	106	6.00	5.71	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/07/2011	ND	432	108	400	11.8	
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	07/08/2011	ND	209	104	200	6.45	
DRO >C10-C28	<10.0	10.0	07/08/2011	ND	181	90.3	200	1.75	

Surrogate: 1-Chlorooctane 105 % 70-130

Surrogate: 1-Chlorooctadecane 114 % 70-130

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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: 07/06/2011
Reported: 07/08/2011
Project Name: D D LANDFARM
Project Number: NONE GIVEN
Project Location: D D LAND FARM

Sampling Date: 07/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL 2 - V (H101396-05)

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	07/07/2011	ND	1.91	95.4	2.00	2.61	
Toluene*	<0.050	0.050	07/07/2011	ND	2.07	104	2.00	3.05	
Ethylbenzene*	<0.050	0.050	07/07/2011	ND	2.15	107	2.00	5.60	
Total Xylenes*	<0.150	0.150	07/07/2011	ND	6.37	106	6.00	5.71	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/07/2011	ND	432	108	400	11.8	

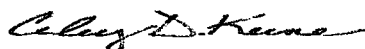
TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/08/2011	ND	209	104	200	6.45	
DRO >C10-C28	<10.0	10.0	07/08/2011	ND	181	90.3	200	1.75	

Surrogate: 1-Chlorooctane 103 % 70-130

Surrogate: 1-Chlorooctadecane 105 % 70-130

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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: 07/06/2011
 Reported: 07/08/2011
 Project Name: D D LANDFARM
 Project Number: NONE GIVEN
 Project Location: D D LAND FARM

 Sampling Date: 07/06/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL 3 - V (H101396-06)

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	07/07/2011	ND	1.91	95.4	2.00	2.61	
Toluene*	<0.050	0.050	07/07/2011	ND	2.07	104	2.00	3.05	
Ethylbenzene*	<0.050	0.050	07/07/2011	ND	2.15	107	2.00	5.60	
Total Xylenes*	<0.150	0.150	07/07/2011	ND	6.37	106	6.00	5.71	

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 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	07/07/2011	ND	432	108	400	11.8	

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	07/08/2011	ND	209	104	200	6.45	
DRO >C10-C28	<10.0	10.0	07/08/2011	ND	181	90.3	200	1.75	


Surrogate: 1-Chlorooctane 95.6 % 70-130

Surrogate: 1-Chlorooctadecane 96.5 % 70-130

Cardinal Laboratories

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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

Company Name: <u>Eddie Seay Consulting</u>		BILL TO		ANALYSIS REQUEST																
Project Manager: <u>Eddie Seay</u>		P.O. #:																		
Address: <u>601 W Illinois</u>		Company:																		
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: <u>[Signature]</u>																		
Phone #: <u>2-2236</u> Fax #: <u>2-6949</u>		Address:																		
Project #: <u>DD Landform</u> Project Owner: <u>J. Capen</u>		City:																		
Project Name: <u>DD Landform Semi Annual Test</u>		State: <u>Zip</u>																		
Project Location: <u>Lot 31 T. 21 Rng 38 E. Euna</u>		Phone #:																		
Sampler Name: <u>Eddie Seay</u>		Fax #:																		
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(GRAB OR COMPOSITE) # CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	PRESERV. ACID/BASE: ICE / COOL OTHER:	SAMPLING DATE TIME	BT EX TPH (8016) Chloride													
	H101396																			
	-1	Cell 1 T	✓	✓	✓	✓	7/6	8:30	✓	✓	✓									
	2	Cell 2 T	✓	✓	✓	✓	7/6	8:55	✓	✓	✓									
	3	Cell 3 T	✓	✓	✓	✓	7/6	9:20	✓	✓	✓									
	4	Cell 1 ✓	✓	✓	✓	✓	7/6	10:40	✓	✓	✓									
	5	Cell 2 ✓	✓	✓	✓	✓	7/6	11:50	✓	✓	✓									
	6	Cell 3 ✓	✓	✓	✓	✓	7/6	1:15	✓	✓	✓									

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Relinquished By: <u>[Signature]</u>	Date: <u>7/6</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>4:35</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>[Signature]</u>		

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

#26

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

April 5, 2011

RECEIVED OCD

2011 APR -6 A 12:49

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

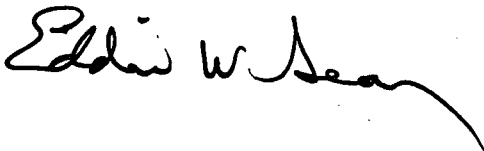
RE: DD Landfarm (Permit #01-0034)
Vadose Zone Sampling
Cell 2

Mr. Jones:

At DD Landfarm, we have slightly elevated chlorides in the Vadose Zone on cell 2.
We will re-sample as (19-15-36E) requires. The results will be sent as soon as they are received.

If you have any questions, please call.

Thanks,



Eddie W. Seay, Agent
DD Landfarm
Eddie Seay Consulting
601 W. Illinois
Hobbs, NM 88242
575-392-2236
seay04@leaco.net

cc: DD Landfarm

May 20, 2011

RECEIVED OGD

2011 MAY 25 A 9:53

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

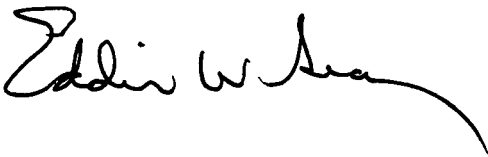
RE: DD Landfarm (Permit #01-0034)
Vadose Zone Sampling
Cell #2

Mr. Jones:

Find attached the Vadose sampling as (19-15-36E) required. Four random independent samples were taken from the above listed cell. The samples were taken at approximately four feet below the cell treatment area. Sample holes were backfilled with red clay and clean soil.

Should you have any questions or need anything further, please call.

Thanks,



Eddie W. Seay, Agent
DD Landfarm
Eddie Seay Consulting
601 W. Illinois
Hobbs, NM 88242
575-392-2236
seay04@leaco.net

cc: DD Landfarm



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

May 19, 2011

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: DD LANDFARM (01-0034) VADOSE ZONE

Enclosed are the results of analyses for samples received by the laboratory on 04/19/11 15:25.

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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 1 (H100793-01)

Arsenic 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Arsenic	0.604	0.050	05/03/2011	ND	0.050	100	0.0500	2.75	GAL	
Barium, 6010B		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Barium	15.3	2.00	04/27/2011	ND	2.00	100	2.00	4.40	GAL	
Cadmium 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Cadmium	0.0216	0.0050	05/03/2011	ND	0.0484	96.8	0.0500	2.85	GAL	
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	04/20/2011	ND	416	104	400	3.77		
Chromium, 6010B		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chromium	3.51	1.00	04/27/2011	ND	2.07	104	2.00	4.26	GAL	
Copper 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Copper	0.699	0.0100	05/03/2011	ND	0.0471	94.2	0.0500	4.77	GAL	
Cyanide 335.4		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Cyanide (total)	<0.0400	0.0400	05/02/2011	ND	0.0222	88.8	0.0250	1.36	GAL	
Fluoride, 4500F C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

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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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

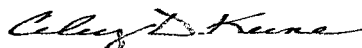
Sample ID: CELL 2 - 1 (H100793-01)

Fluoride, 4500F C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Fluoride	0.265	0.200	04/29/2011	ND	0.950	95.0	1.00	0.00	GAL	
Iron 200.7		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Iron	2900	5.0	04/27/2011	ND	4.0	101	4.00	4.37	GAL	
Lead 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Lead	1.67	0.05	05/03/2011	ND	0.05	99.8	0.0500	0.402	GAL	
Manganese 200.7		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Manganese	32.9	0.5	04/27/2011	ND	2.0	99.5	2.00	10.5	GAL	
Mercury, 7471A		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Mercury	<0.050	0.050	05/03/2011	ND	0.002	105	0.00200	0.00	GAL	
Nitrate + Nitrite as N, 353.2		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Nitrate/Nitrite as N	0.744	0.040	05/05/2011	ND	0.101	101	0.100	5.77	GAL	
Nitrite as N 353.2		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Nitrite as N	0.208	0.040	04/29/2011	ND	0.107	107	0.100	0.00	GAL	
PAH 8270C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

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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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 1 (H100793-01)
PAH 8270C
mg/kg
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Naphthalene	<0.040	0.040	05/14/2011	ND	0.010	99.7	0.0100	2.08	
2-Methylnaphthalene	<0.040	0.040	05/14/2011	ND					
1-Methylnaphthalene	<0.040	0.040	05/14/2011	ND					
Acenaphthylene	<0.040	0.040	05/14/2011	ND	0.010	102	0.0100	0.195	
Acenaphthene	<0.040	0.040	05/14/2011	ND	0.010	102	0.0100	1.47	
Fluorene	<0.040	0.040	05/14/2011	ND	0.010	105	0.0100	4.66	
Phenanthrene	<0.040	0.040	05/14/2011	ND	0.010	98.1	0.0100	1.52	
Anthracene	<0.040	0.040	05/14/2011	ND	0.010	97.8	0.0100	1.92	
Carbazole	<0.040	0.040	05/14/2011	ND	0.010	100	0.0100	1.29	
Fluoranthene	<0.040	0.040	05/14/2011	ND	0.010	97.4	0.0100	1.33	
Pyrene	<0.040	0.040	05/14/2011	ND	0.010	96.8	0.0100	1.23	
Benzo[a]anthracene	<0.040	0.040	05/14/2011	ND	0.009	89.8	0.0100	3.39	
Chrysene	<0.040	0.040	05/14/2011	ND	0.009	93.1	0.0100	1.07	
Benzo[b]fluoranthene	<0.040	0.040	05/14/2011	ND	0.010	102	0.0100	2.80	
Benzo[k]fluoranthene	<0.040	0.040	05/14/2011	ND	0.010	100	0.0100	4.08	
Benzo[a]pyrene	<0.040	0.040	05/14/2011	ND	0.011	109	0.0100	3.45	
Indeno[1,2,3-cd]pyrene	<0.040	0.040	05/14/2011	ND	0.010	104	0.0100	7.61	
Dibenz[a,h]anthracene	<0.040	0.040	05/14/2011	ND	0.010	99.1	0.0100	0.302	
Benzo[g,h,i]perylene	<0.040	0.040	05/14/2011	ND	0.010	95.1	0.0100	6.40	


Surrogate: Nitrobenzene-d5 91.4 % 35-114

Surrogate: 2-Fluorobiphenyl 128 % 43-116

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Celest 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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 1 (H100793-01)

PAH 8270C **mg/kg** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: Terphenyl-d14	33.2 %	33-141							

PCB 8082 **ug/kg** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
PCB 1016	<10.0	10.0	04/28/2011	ND	10.5	105	10.0	73.1	SUB-SS
PCB 1221	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1232	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1242	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1248	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1254	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1260	<10.0	10.0	04/28/2011	ND	7.00	70.0	10.0	41.2	SUB-SS

Surrogate: Tetrachloro-meta-xylene 71.7 % 35-140

pH **pH Units** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
pH	8.47	0.100	04/29/2011		7.08	101	7.00	0.706	

Phenols, 420.1 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Phenols	<0.5	0.5	05/04/2011	ND	0.4	92.0	0.400	1.88	GAL

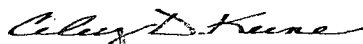
Selenium 200.8 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Selenium	<0.100	0.100	05/03/2011	ND	0.258	103	0.250	1.54	GAL

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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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 1 (H100793-01)

Silver 200.8 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Silver	0.0197	0.0050	05/03/2011	ND	0.0494	98.8	0.0500	2.99	GAL

Sulfate 375.4 **mg/kg** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate	<40.0	40.0	04/27/2011	ND	41.5	104	40.0	4.53	

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	04/21/2011	ND	214	107	200	0.816	
DRO >C10-C28	<10.0	10.0	04/21/2011	ND	220	110	200	0.774	

Surrogate: 1-Chlorooctane 94.4 % 70-130

Surrogate: 1-Chlorooctadecane 95.1 % 70-130

Uranium 200.8 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Uranium	0.0753	0.0500	05/03/2011	ND	0.0498	99.6	0.0500	0.00	GAL

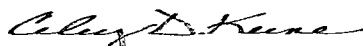
WQCC Volatiles 8260 **mg/kg** **Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Vinyl chloride	<0.0500	0.0500	04/27/2011	ND	0.973	97.3	1.00	5.96	
1,1-Dichloroethene	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	5.06	
Methylene chloride	<0.0500	0.0500	04/27/2011	ND	0.810	81.0	1.00	9.11	
1,1-Dichloroethane	<0.0500	0.0500	04/27/2011	ND	1.10	110	1.00	6.87	
Chloroform	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	6.04	
Carbon tetrachloride	<0.0500	0.0500	04/27/2011	ND	1.13	113	1.00	6.28	

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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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 1 (H100793-01)
WQCC Volatiles 8260

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1,1,1-Trichloroethane	<0.0500	0.0500	04/27/2011	ND	1.11	111	1.00	4.24	
Benzene	<0.0500	0.0500	04/27/2011	ND	1.13	113	1.00	7.62	
1,2-Dichloroethane	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	5.87	
Trichloroethene	<0.0500	0.0500	04/27/2011	ND	1.12	112	1.00	6.93	
Toluene	<0.0500	0.0500	04/27/2011	ND	1.14	114	1.00	7.34	
Tetrachloroethene	<0.0500	0.0500	04/27/2011	ND	1.15	115	1.00	7.84	
1,1,2-Trichloroethane	<0.0500	0.0500	04/27/2011	ND	1.08	108	1.00	6.75	
1,2-Dibromoethane	<0.0500	0.0500	04/27/2011	ND	1.14	114	1.00	8.00	
Ethylbenzene	<0.0500	0.0500	04/27/2011	ND	1.07	107	1.00	6.54	
Total Xylenes	<0.150	0.150	04/27/2011	ND	3.23	108	3.00	7.99	
1,1,2,2-Tetrachloroethane	<0.0500	0.0500	04/27/2011	ND	1.10	110	1.00	5.35	
Naphthalene	<0.0500	0.0500	04/27/2011	ND	1.07	107	1.00	7.75	

Surrogate: Dibromofluoromethane 93.3 % 80-120

Surrogate: Toluene-d8 111 % 80-120

Surrogate: 4-Bromofluorobenzene 103 % 80-120

Zinc 200.7

mg/kg dry wt.

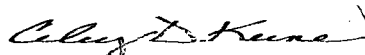
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Zinc	6.2	5.0	04/27/2011	ND	2.1	105	2.00	0.00	GAL

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

Received:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

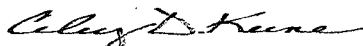
Sample ID: CELL 2 - 2 (H100793-02)

Arsenic 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Arsenic	0.586	0.050	05/03/2011	ND	0.050	100	0.0500	2.75	GAL	
Barium, 6010B		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Barium	14.7	2.00	04/27/2011	ND	2.00	100	2.00	4.40	GAL	
Cadmium 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Cadmium	0.0249	0.0050	05/03/2011	ND	0.0484	96.8	0.0500	2.85	GAL	
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	04/20/2011	ND	416	104	400	3.77		
Chromium, 6010B		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chromium	2.97	1.00	04/27/2011	ND	2.07	104	2.00	4.26	GAL	
Copper 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Copper	0.697	0.0100	05/03/2011	ND	0.0471	94.2	0.0500	4.77	GAL	
Cyanide 335.4		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Cyanide (total)	<0.0200	0.0200	05/02/2011	ND	0.0222	88.8	0.0250	1.36	GAL	
Fluoride, 4500F C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

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

Received:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 2 (H100793-02)

Fluoride, 4500F C		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Fluoride	0.412	0.200	04/29/2011	ND	0.950	95.0	1.00	0.00	GAL
Iron 200.7		mg/kg dry wt.	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Iron	2290	5.0	04/27/2011	ND	4.0	101	4.00	4.37	GAL
Lead 200.8		mg/kg dry wt.	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Lead	1.75	0.05	05/03/2011	ND	0.05	99.8	0.0500	0.402	GAL
Manganese 200.7		mg/kg dry wt.	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Manganese	28.9	0.5	04/27/2011	ND	2.0	99.5	2.00	10.5	GAL
Mercury, 7471A		mg/kg dry wt.	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Mercury	<0.050	0.050	05/03/2011	ND	0.002	105	0.00200	0.00	GAL
Nitrate + Nitrite as N, 353.2		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Nitrate/Nitrite as N	0.515	0.040	05/05/2011	ND	0.101	101	0.100	5.77	GAL
Nitrite as N 353.2		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Nitrite as N	0.147	0.040	04/29/2011	ND	0.107	107	0.100	0.00	GAL
PAH 8270C		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 2 (H100793-02)
PAH 8270C
mg/kg
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Naphthalene	<0.040	0.040	05/14/2011	ND	0.010	99.7	0.0100	2.08	
2-Methylnaphthalene	<0.040	0.040	05/14/2011	ND					
1-Methylnaphthalene	<0.040	0.040	05/14/2011	ND					
Acenaphthylene	<0.040	0.040	05/14/2011	ND	0.010	102	0.0100	0.195	
Acenaphthene	<0.040	0.040	05/14/2011	ND	0.010	102	0.0100	1.47	
Fluorene	<0.040	0.040	05/14/2011	ND	0.010	105	0.0100	4.66	
Phenanthrene	<0.040	0.040	05/14/2011	ND	0.010	98.1	0.0100	1.52	
Anthracene	<0.040	0.040	05/14/2011	ND	0.010	97.8	0.0100	1.92	
Carbazole	<0.040	0.040	05/14/2011	ND	0.010	100	0.0100	1.29	
Fluoranthene	<0.040	0.040	05/14/2011	ND	0.010	97.4	0.0100	1.33	
Pyrene	<0.040	0.040	05/14/2011	ND	0.010	96.8	0.0100	1.23	
Benzo[a]anthracene	<0.040	0.040	05/14/2011	ND	0.009	89.8	0.0100	3.39	
Chrysene	<0.040	0.040	05/14/2011	ND	0.009	93.1	0.0100	1.07	
Benzo[b]fluoranthene	<0.040	0.040	05/14/2011	ND	0.010	102	0.0100	2.80	
Benzo[k]fluoranthene	<0.040	0.040	05/14/2011	ND	0.010	100	0.0100	4.08	
Benzo[a]pyrene	<0.040	0.040	05/14/2011	ND	0.011	109	0.0100	3.45	
Indeno[1,2,3-cd]pyrene	<0.040	0.040	05/14/2011	ND	0.010	104	0.0100	7.61	
Dibenz[a,h]anthracene	<0.040	0.040	05/14/2011	ND	0.010	99.1	0.0100	0.302	
Benzo[g,h,i]perylene	<0.040	0.040	05/14/2011	ND	0.010	95.1	0.0100	6.40	

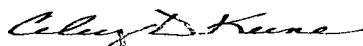
Surrogate: Nitrobenzene-d5 94.8 % 35-114

Surrogate: 2-Fluorobiphenyl 137 % 43-116

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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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 2 (H100793-02)

PAH 8270C **mg/kg** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: Terphenyl-d14	41.0 %	33-141							

PCB 8082 **ug/kg** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
PCB 1016	<10.0	10.0	04/28/2011	ND	10.5	105	10.0	73.1	SUB-SS
PCB 1221	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1232	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1242	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1248	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1254	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1260	<10.0	10.0	04/28/2011	ND	7.00	70.0	10.0	41.2	SUB-SS

Surrogate: Tetrachloro-meta-xylene 87.4 % 35-140

pH **pH Units** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
pH	8.66	0.100	04/29/2011		7.08	101	7.00	0.706	

Phenols, 420.1 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Phenols	<0.5	0.5	05/04/2011	ND	0.4	92.0	0.400	1.88	GAL

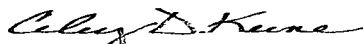
Selenium 200.8 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Selenium	<0.100	0.100	05/03/2011	ND	0.258	103	0.250	1.54	GAL

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

Received:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 2 (H100793-02)

Silver 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Silver	0.0171	0.0050	05/03/2011	ND	0.0494	98.8	0.0500	2.99	GAL	
Sulfate 375.4		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate	<40.0	40.0	04/27/2011	ND	41.5	104	40.0	4.53		
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	04/21/2011	ND	214	107	200	0.816		
DRO >C10-C28	<10.0	10.0	04/21/2011	ND	220	110	200	0.774		
Surrogate: 1-Chlorooctane		97.3 %	70-130							
Surrogate: 1-Chlorooctadecane		99.2 %	70-130							
Uranium 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Uranium	0.0849	0.0500	05/03/2011	ND	0.0498	99.6	0.0500	0.00	GAL	
WQCC Volatiles 8260		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Vinyl chloride	<0.0500	0.0500	04/27/2011	ND	0.973	97.3	1.00	5.96		
1,1-Dichloroethene	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	5.06		
Methylene chloride	<0.0500	0.0500	04/27/2011	ND	0.810	81.0	1.00	9.11		
1,1-Dichloroethane	<0.0500	0.0500	04/27/2011	ND	1.10	110	1.00	6.87		
Chloroform	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	6.04		
Carbon tetrachloride	<0.0500	0.0500	04/27/2011	ND	1.13	113	1.00	6.28		

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

Received:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 2 (H100793-02)

WQCC Volatiles 8260			mg/kg		Analyzed By: CMS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1,1,1-Trichloroethane	<0.0500	0.0500	04/27/2011	ND	1.11	111	1.00	4.24	
Benzene	<0.0500	0.0500	04/27/2011	ND	1.13	113	1.00	7.62	
1,2-Dichloroethane	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	5.87	
Trichloroethene	<0.0500	0.0500	04/27/2011	ND	1.12	112	1.00	6.93	
Toluene	<0.0500	0.0500	04/27/2011	ND	1.14	114	1.00	7.34	
Tetrachloroethene	<0.0500	0.0500	04/27/2011	ND	1.15	115	1.00	7.84	
1,1,2-Trichloroethane	<0.0500	0.0500	04/27/2011	ND	1.08	108	1.00	6.75	
1,2-Dibromoethane	<0.0500	0.0500	04/27/2011	ND	1.14	114	1.00	8.00	
Ethylbenzene	<0.0500	0.0500	04/27/2011	ND	1.07	107	1.00	6.54	
Total Xylenes	<0.150	0.150	04/27/2011	ND	3.23	108	3.00	7.99	
1,1,2,2-Tetrachloroethane	<0.0500	0.0500	04/27/2011	ND	1.10	110	1.00	5.35	
Naphthalene	<0.0500	0.0500	04/27/2011	ND	1.07	107	1.00	7.75	

Surrogate: Dibromofluoromethane 87.3 % 80-120

Surrogate: Toluene-d8 105 % 80-120

Surrogate: 4-Bromofluorobenzene 95.8 % 80-120

Zinc 200.7			mg/kg dry wt.		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Zinc	5.0	5.0	04/27/2011	ND	2.1	105	2.00	0.00	GAL

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Celest 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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

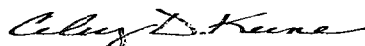
Sample ID: CELL 2 - 3 (H100793-03)

Arsenic 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Arsenic	0.663	0.050	05/03/2011	ND	0.050	100	0.0500	2.75	GAL	
Barium, 6010B		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Barium	18.4	2.00	04/27/2011	ND	2.00	100	2.00	4.40	GAL	
Cadmium 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Cadmium	0.0414	0.0050	05/03/2011	ND	0.0484	96.8	0.0500	2.85	GAL	
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	04/20/2011	ND	416	104	400	3.77		
Chromium, 6010B		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chromium	2.49	1.00	04/27/2011	ND	2.07	104	2.00	4.26	GAL	
Copper 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Copper	0.958	0.0100	05/03/2011	ND	0.0471	94.2	0.0500	4.77	GAL	
Cyanide 335.4		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Cyanide (total)	<0.0200	0.0200	05/02/2011	ND	0.0222	88.8	0.0250	1.36	GAL	
Fluoride, 4500F C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

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Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

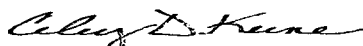
Sample ID: CELL 2 - 3 (H100793-03)

Fluoride, 4500F C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Fluoride	0.412	0.200	04/29/2011	ND	0.950	95.0	1.00	0.00	GAL	
Iron 200.7		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Iron	2630	5.0	04/27/2011	ND	4.0	101	4.00	4.37	GAL	
Lead 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Lead	2.77	0.05	05/03/2011	ND	0.05	99.8	0.0500	0.402	GAL	
Manganese 200.7		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Manganese	38.9	0.5	04/27/2011	ND	2.0	99.5	2.00	10.5	GAL	
Mercury, 7471A		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Mercury	<0.050	0.050	05/03/2011	ND	0.002	105	0.00200	0.00	GAL	
Nitrate + Nitrite as N, 353.2		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Nitrate/Nitrite as N	4.86	0.040	05/05/2011	ND	0.101	101	0.100	5.77	GAL	
Nitrite as N 353.2		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Nitrite as N	0.177	0.040	04/29/2011	ND	0.107	107	0.100	0.00	GAL	
PAH 8270C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

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Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 3 (H100793-03)
PAH 8270C
mg/kg
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Naphthalene	<0.040	0.040	05/14/2011	ND	0.010	99.7	0.0100	2.08	
2-Methylnaphthalene	<0.040	0.040	05/14/2011	ND					
1-Methylnaphthalene	<0.040	0.040	05/14/2011	ND					
Acenaphthylene	<0.040	0.040	05/14/2011	ND	0.010	102	0.0100	0.195	
Acenaphthene	<0.040	0.040	05/14/2011	ND	0.010	102	0.0100	1.47	
Fluorene	<0.040	0.040	05/14/2011	ND	0.010	105	0.0100	4.66	
Phenanthrene	<0.040	0.040	05/14/2011	ND	0.010	98.1	0.0100	1.52	
Anthracene	<0.040	0.040	05/14/2011	ND	0.010	97.8	0.0100	1.92	
Carbazole	<0.040	0.040	05/14/2011	ND	0.010	100	0.0100	1.29	
Fluoranthene	<0.040	0.040	05/14/2011	ND	0.010	97.4	0.0100	1.33	
Pyrene	<0.040	0.040	05/14/2011	ND	0.010	96.8	0.0100	1.23	
Benzo[a]anthracene	<0.040	0.040	05/14/2011	ND	0.009	89.8	0.0100	3.39	
Chrysene	<0.040	0.040	05/14/2011	ND	0.009	93.1	0.0100	1.07	
Benzo[b]fluoranthene	<0.040	0.040	05/14/2011	ND	0.010	102	0.0100	2.80	
Benzo[k]fluoranthene	<0.040	0.040	05/14/2011	ND	0.010	100	0.0100	4.08	
Benzo[a]pyrene	<0.040	0.040	05/14/2011	ND	0.011	109	0.0100	3.45	
Indeno[1,2,3-cd]pyrene	<0.040	0.040	05/14/2011	ND	0.010	104	0.0100	7.61	
Dibenz[a,h]anthracene	<0.040	0.040	05/14/2011	ND	0.010	99.1	0.0100	0.302	
Benzo[g,h,i]perylene	<0.040	0.040	05/14/2011	ND	0.010	95.1	0.0100	6.40	

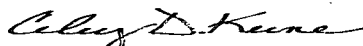
Surrogate: Nitrobenzene-d5 105 % 35-114

Surrogate: 2-Fluorobiphenyl 144 % 43-116

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

Received:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 3 (H100793-03)

PAH 8270C **mg/kg** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: Terphenyl-d14	29.5 %	33-141							

PCB 8082 **ug/kg** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
PCB 1016	<10.0	10.0	04/28/2011	ND	10.5	105	10.0	73.1	SUB-SS
PCB 1221	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1232	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1242	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1248	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1254	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1260	<10.0	10.0	04/28/2011	ND	7.00	70.0	10.0	41.2	SUB-SS

Surrogate: Tetrachloro-meta-xylene 113 % 35-140

pH **pH Units** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
pH	8.55	0.100	04/29/2011		7.08	101	7.00	0.706	

Phenols, 420.1 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Phenols	<0.5	0.5	05/04/2011	ND	0.4	92.0	0.400	1.88	GAL

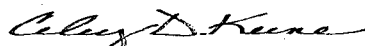
Selenium 200.8 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Selenium	<0.100	0.100	05/03/2011	ND	0.258	103	0.250	1.54	GAL

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

Received:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 3 (H100793-03)

Silver 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Silver	0.0176	0.0050	05/03/2011	ND	0.0494	98.8	0.0500	2.99	GAL	

Sulfate 375.4		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate	<40.0	40.0	04/27/2011	ND	41.5	104	40.0	4.53	

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	04/21/2011	ND	214	107	200	0.816	
DRO >C10-C28	<10.0	10.0	04/21/2011	ND	220	110	200	0.774	

Surrogate: 1-Chlorooctane 83.3 % 70-130

Surrogate: 1-Chlorooctadecane 80.2 % 70-130

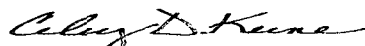
Uranium 200.8		mg/kg dry wt.		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Uranium	0.109	0.0500	05/03/2011	ND	0.0498	99.6	0.0500	0.00	GAL

WQCC Volatiles 8260		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Vinyl chloride	<0.0500	0.0500	04/27/2011	ND	0.973	97.3	1.00	5.96	
1,1-Dichloroethene	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	5.06	
Methylene chloride	<0.0500	0.0500	04/27/2011	ND	0.810	81.0	1.00	9.11	
1,1-Dichloroethane	<0.0500	0.0500	04/27/2011	ND	1.10	110	1.00	6.87	
Chloroform	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	6.04	
Carbon tetrachloride	<0.0500	0.0500	04/27/2011	ND	1.13	113	1.00	6.28	

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Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 3 (H100793-03)
WQCC Volatiles 8260
mg/kg
Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1,1,1-Trichloroethane	<0.0500	0.0500	04/27/2011	ND	1.11	111	1.00	4.24	
Benzene	<0.0500	0.0500	04/27/2011	ND	1.13	113	1.00	7.62	
1,2-Dichloroethane	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	5.87	
Trichloroethene	<0.0500	0.0500	04/27/2011	ND	1.12	112	1.00	6.93	
Toluene	<0.0500	0.0500	04/27/2011	ND	1.14	114	1.00	7.34	
Tetrachloroethene	<0.0500	0.0500	04/27/2011	ND	1.15	115	1.00	7.84	
1,1,2-Trichloroethane	<0.0500	0.0500	04/27/2011	ND	1.08	108	1.00	6.75	
1,2-Dibromoethane	<0.0500	0.0500	04/27/2011	ND	1.14	114	1.00	8.00	
Ethylbenzene	<0.0500	0.0500	04/27/2011	ND	1.07	107	1.00	6.54	
Total Xylenes	<0.150	0.150	04/27/2011	ND	3.23	108	3.00	7.99	
1,1,2,2-Tetrachloroethane	<0.0500	0.0500	04/27/2011	ND	1.10	110	1.00	5.35	
Naphthalene	<0.0500	0.0500	04/27/2011	ND	1.07	107	1.00	7.75	

Surrogate: Dibromofluoromethane 90.1 % 80-120

Surrogate: Toluene-d8 109 % 80-120

Surrogate: 4-Bromofluorobenzene 99.2 % 80-120

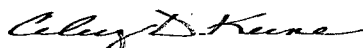
Zinc 200.7
mg/kg dry wt.
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Zinc	7.0	5.0	04/27/2011	ND	2.1	105	2.00	0.00	GAL

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Project Location:	E. EUNICE HWY 176		

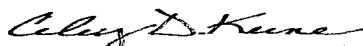
Sample ID: CELL 2 - 4 (H100793-04)

Arsenic 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Arsenic	0.690	0.050	05/03/2011	ND	0.050	100	0.0500	2.75	GAL	
Barium, 6010B		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Barium	14.2	2.00	04/27/2011	ND	2.00	100	2.00	4.40	GAL	
Cadmium 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Cadmium	0.0321	0.0050	05/03/2011	ND	0.0484	96.8	0.0500	2.85	GAL	
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	04/20/2011	ND	416	104	400	3.77		
Chromium, 6010B		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chromium	3.36	1.00	04/27/2011	ND	2.07	104	2.00	4.26	GAL	
Copper 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Copper	0.750	0.0100	05/03/2011	ND	0.0471	94.2	0.0500	4.77	GAL	
Cyanide 335.4		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Cyanide (total)	<0.0200	0.0200	05/02/2011	ND	0.0222	88.8	0.0250	1.36	GAL	
Fluoride, 4500F C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

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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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

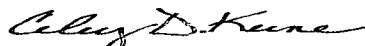
Sample ID: CELL 2 - 4 (H100793-04)

Fluoride, 4500F C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Fluoride	0.641	0.200	04/29/2011	ND	0.950	95.0	1.00	0.00	GAL	
Iron 200.7		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Iron	2570	5.0	04/27/2011	ND	4.0	101	4.00	4.37	GAL	
Lead 200.8		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Lead	2.40	0.05	05/03/2011	ND	0.05	99.8	0.0500	0.402	GAL	
Manganese 200.7		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Manganese	30.9	0.5	04/27/2011	ND	2.0	99.5	2.00	10.5	GAL	
Mercury, 7471A		mg/kg dry wt.		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Mercury	<0.050	0.050	05/03/2011	ND	0.002	105	0.00200	0.00	GAL	
Nitrate + Nitrite as N, 353.2		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Nitrate/Nitrite as N	1.21	0.040	05/05/2011	ND	0.101	101	0.100	5.77	GAL	
Nitrite as N 353.2		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Nitrite as N	0.213	0.040	04/29/2011	ND	0.107	107	0.100	0.00	GAL	
PAH 8270C		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

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

Received:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 4 (H100793-04)
PAH 8270C
mg/kg
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Naphthalene	<0.040	0.040	05/16/2011	ND	0.010	99.7	0.0100	2.08	
2-Methylnaphthalene	<0.040	0.040	05/16/2011	ND					
1-Methylnaphthalene	<0.040	0.040	05/16/2011	ND					
Acenaphthylene	<0.040	0.040	05/16/2011	ND	0.010	102	0.0100	0.195	
Acenaphthene	<0.040	0.040	05/16/2011	ND	0.010	102	0.0100	1.47	
Fluorene	<0.040	0.040	05/16/2011	ND	0.010	105	0.0100	4.66	
Phenanthrene	<0.040	0.040	05/16/2011	ND	0.010	98.1	0.0100	1.52	
Anthracene	<0.040	0.040	05/16/2011	ND	0.010	97.8	0.0100	1.92	
Carbazole	<0.040	0.040	05/16/2011	ND	0.010	100	0.0100	1.29	
Fluoranthene	<0.040	0.040	05/16/2011	ND	0.010	97.4	0.0100	1.33	
Pyrene	<0.040	0.040	05/16/2011	ND	0.010	96.8	0.0100	1.23	
Benzo[a]anthracene	<0.040	0.040	05/16/2011	ND	0.009	89.8	0.0100	3.39	
Chrysene	<0.040	0.040	05/16/2011	ND	0.009	93.1	0.0100	1.07	
Benzo[b]fluoranthene	<0.040	0.040	05/16/2011	ND	0.010	102	0.0100	2.80	
Benzo[k]fluoranthene	<0.040	0.040	05/16/2011	ND	0.010	100	0.0100	4.08	
Benzo[a]pyrene	<0.040	0.040	05/16/2011	ND	0.011	109	0.0100	3.45	
Indeno[1,2,3-cd]pyrene	<0.040	0.040	05/16/2011	ND	0.010	104	0.0100	7.61	
Dibenz[a,h]anthracene	<0.040	0.040	05/16/2011	ND	0.010	99.1	0.0100	0.302	
Benzo[g,h,i]perylene	<0.040	0.040	05/16/2011	ND	0.010	95.1	0.0100	6.40	

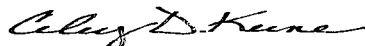
Surrogate: Nitrobenzene-d5 88.5 % 35-114

Surrogate: 2-Fluorobiphenyl 115 % 43-116

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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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 4 (H100793-04)

PAH 8270C **mg/kg** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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Surrogate: Terphenyl-d14 27.5 % 33-141

PCB 8082 **ug/kg** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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PCB 1016	<10.0	10.0	04/28/2011	ND	10.5	105	10.0	73.1	SUB-SS
PCB 1221	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1232	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1242	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1248	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1254	<10.0	10.0	04/28/2011	ND					SUB-SS
PCB 1260	<10.0	10.0	04/28/2011	ND	7.00	70.0	10.0	41.2	SUB-SS

Surrogate: Tetrachloro-meta-xylene 96.1 % 35-140

pH **pH Units** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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pH 8.30 0.100 04/29/2011 7.08 101 7.00 0.706

Phenols, 420.1 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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Phenols <0.5 0.5 05/04/2011 ND 0.4 92.0 0.400 1.88 GAL

Selenium 200.8 **mg/kg dry wt.** **Analyzed By: CK**

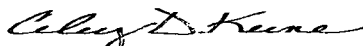
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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Selenium <0.100 0.100 05/03/2011 ND 0.258 103 0.250 1.54 GAL

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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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 4 (H100793-04)

Silver 200.8 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Silver	0.0175	0.0050	05/03/2011	ND	0.0494	98.8	0.0500	2.99	GAL

Sulfate 375.4 **mg/kg** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate	<40.0	40.0	04/27/2011	ND	41.5	104	40.0	4.53	

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	04/21/2011	ND	214	107	200	0.816	
DRO >C10-C28	<10.0	10.0	04/21/2011	ND	220	110	200	0.774	

Surrogate: 1-Chlorooctane 101 % 70-130

Surrogate: 1-Chlorooctadecane 103 % 70-130

Uranium 200.8 **mg/kg dry wt.** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Uranium	0.0822	0.0500	05/03/2011	ND	0.0498	99.6	0.0500	0.00	GAL

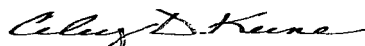
WQCC Volatiles 8260 **mg/kg** **Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Vinyl chloride	<0.0500	0.0500	04/27/2011	ND	0.973	97.3	1.00	5.96	
1,1-Dichloroethene	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	5.06	
Methylene chloride	<0.0500	0.0500	04/27/2011	ND	0.810	81.0	1.00	9.11	
1,1-Dichloroethane	<0.0500	0.0500	04/27/2011	ND	1.10	110	1.00	6.87	
Chloroform	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	6.04	
Carbon tetrachloride	<0.0500	0.0500	04/27/2011	ND	1.13	113	1.00	6.28	

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Celest 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:	04/19/2011	Sampling Date:	04/19/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	DD LANDFARM (01-0034) VADOSE ZONE	Sampling Condition:	Cool & Intact
Project Number:	DD LANDFARM	Sample Received By:	Jodi Henson
Project Location:	E. EUNICE HWY 176		

Sample ID: CELL 2 - 4 (H100793-04)
WQCC Volatiles 8260

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1,1,1-Trichloroethane	<0.0500	0.0500	04/27/2011	ND	1.11	111	1.00	4.24	
Benzene	<0.0500	0.0500	04/27/2011	ND	1.13	113	1.00	7.62	
1,2-Dichloroethane	<0.0500	0.0500	04/27/2011	ND	1.04	104	1.00	5.87	
Trichloroethene	<0.0500	0.0500	04/27/2011	ND	1.12	112	1.00	6.93	
Toluene	<0.0500	0.0500	04/27/2011	ND	1.14	114	1.00	7.34	
Tetrachloroethene	<0.0500	0.0500	04/27/2011	ND	1.15	115	1.00	7.84	
1,1,2-Trichloroethane	<0.0500	0.0500	04/27/2011	ND	1.08	108	1.00	6.75	
1,2-Dibromoethane	<0.0500	0.0500	04/27/2011	ND	1.14	114	1.00	8.00	
Ethylbenzene	<0.0500	0.0500	04/27/2011	ND	1.07	107	1.00	6.54	
Total Xylenes	<0.150	0.150	04/27/2011	ND	3.23	108	3.00	7.99	
1,1,2,2-Tetrachloroethane	<0.0500	0.0500	04/27/2011	ND	1.10	110	1.00	5.35	
Naphthalene	<0.0500	0.0500	04/27/2011	ND	1.07	107	1.00	7.75	

Surrogate: Dibromofluoromethane 86.7 % 80-120

Surrogate: Toluene-d8 104 % 80-120

Surrogate: 4-Bromofluorobenzene 91.6 % 80-120

Zinc 200.7

mg/kg dry wt.

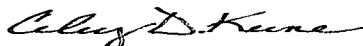
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Zinc	6.1	5.0	04/27/2011	ND	2.1	105	2.00	0.00	GAL

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Celey D. Keene, Lab Director/Quality Manager

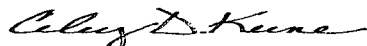
Notes and Definitions

SUB-SS	Analysis subcontracted to SunStar Laboratories, Inc.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
GAL	Analysis subcontracted to Green Analytical Laboratories, a subsidiary of Cardinal Laboratories.
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



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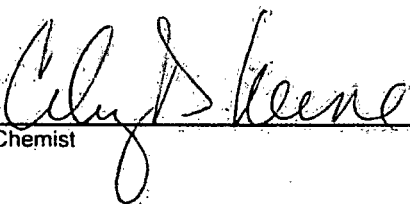
ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88240

Receiving Date: 04/19/11
Reporting Date: 05/10/11
Project Number: DD LANDFARM
Project Name: DD LANDFARM (01-0034) VADOSE ZONE
Project Location: E. EUNICE HWY 176
Laboratory Number: H100793-01
Sample ID: CELL 2-1

Sampling Date: 04/19/11
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3°C
Sample Received By: JH
Analyzed By: BB
Analysis Date: 04/26/11
Analysis Time: 09:06

Analysis Description	Analysis Results pCi/gm	Analysis Error (+/- 2s)	Analysis Results Bq/gm	Analysis Error (+/- 2s)	Analysis Test Method
Ra - 226	<0.96	N/A	<0.04	N/A	EPA 901.1M
Ra - 228	<0.37	N/A	<0.01	N/A	EPA 901.1M
Notes:					

Analyses subcontracted to Xenco Laboratories.


Chemist

H100793NORM.EDDIE

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ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88240

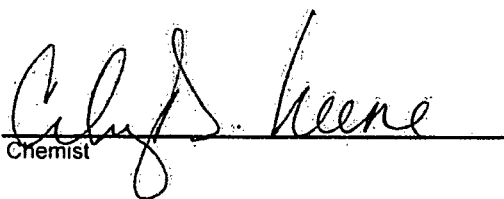
Receiving Date: 04/19/11
Reporting Date: 05/10/11
Project Number: DD LANDFARM
Project Name: DD LANDFARM (01-0034) VADOSE ZONE
Project Location: E. EUNICE HWY 176
Laboratory Number: H100793-02
Sample ID: CELL 2-2

Sampling Date: 04/19/11
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3°C
Sample Received By: JH
Analyzed By: BB
Analysis Date: 04/26/11
Analysis Time: 09:36

Analysis Description	Analysis Results pCi/gm	Analysis Error (+/- 2s)	Analysis Results Bq/gm	Analysis Error (+/- 2s)	Analysis Test Method
Ra- 226	<0.66	N/A	<0.02	N/A	EPA 901.1M
Ra- 228	<0.25	N/A	<0.01	N/A	EPA 901.1M

Notes:

Analyses subcontracted to Xenco Laboratories.


Cheryl Keene
Chemist

H100793NORM EDDIE

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

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88240

Receiving Date: 04/19/11

Reporting Date: 05/10/11

Project Number: DD LANDFARM

Project Name: DD LANDFARM (01-0034) VADOSE ZONE

Project Location: E. EUNICE HWY 176

Laboratory Number: H100793-03

Sample ID: CELL 2-3

Sampling Date: 04/19/11

Sample Type: SOIL

Sample Condition: COOL & INTACT @ 3°C

Sample Received By: JH

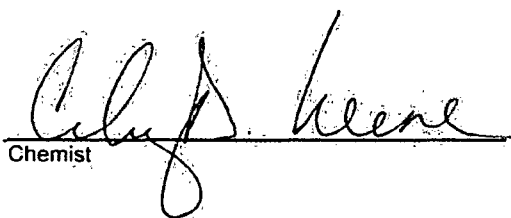
Analyzed By: BB

Analysis Date: 04/26/11

Analysis Time: 09:58

Analysis Description	Analysis Results pCi/gm	Analysis Error (+/- 2s)	Analysis Results Bq/gm	Analysis Error (+/- 2s)	Analysis Test Method
Ra - 226	<0.94	N/A	<0.03	N/A	EPA 901-1M
Ra - 228	<0.45	N/A	<0.02	N/A	EPA 901-1M
Notes:					

Analyses subcontracted to Xenco Laboratories.


Chemist

H100793NORM EDDIE

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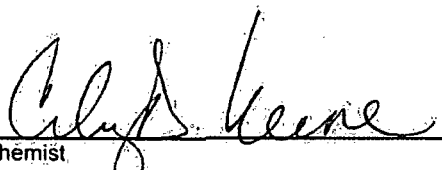
ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88240

Receiving Date: 04/19/11
Reporting Date: 05/10/11
Project Number: DD LANDFARM
Project Name: DD LANDFARM (01-0034) VADOSE ZONE
Project Location: E. EUNICE HWY 176
Laboratory Number: H100793-04
Sample ID: CELL 2-4

Sampling Date: 04/19/11
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3°C
Sample Received By: JH
Analyzed By: BB
Analysis Date: 04/26/11
Analysis Time: 10:23

Analysis Description	Analysis Results pCi/gm	Analysis Error (+/- 2s)	Analysis Results Bq/gm	Analysis Error (+/- 2s)	Analysis Test Method
Ra - 226	<0.71	N/A	<0.03	N/A	EPA 901.1M
Ra - 228	<0.35	N/A	<0.01	N/A	EPA 901.1M
Notes:					

Analyses subcontracted to Xenco Laboratories.


Cheryl Keene
Chemist

H100793NORM EDDIE

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Notes:

Comments:

1. Soil and Sludge analysis results are reported on a wet basis or as received basis unless otherwise indicated.
2. The data in this report are within the limits of uncertainty specified in the reference method unless otherwise specified.
3. Modified analysis procedures are procedures that are modified to meet certain specifications. An example would be the use of a water method to analyze a solid matrix due to the lack of an officially recognized procedure for the analysis of the solid matrix.
4. Derived Air Concentrations and Effluent Release Concentrations are obtained from 10 CFR 20 Appendix B.
5. Total Activity is actually total gamma activity and is determined utilizing the prominent gamma emitters from the naturally occurring decay chains and other prominent radioactive isotopes. Total activity may be lower than actual total activity due to the extent of secular equilibrium achieved in the various decay chains at the time of analysis. The total activity is not representative of isotopes that emit solely alpha or beta radiation.
6. Ra-228 is determined via secular equilibrium with its daughter, Actinium-228. (Gamma Spectroscopy only)
7. U-238 is determined via secular equilibrium with its daughter, Thorium-234. (Gamma Spectroscopy only)
8. All Gamma Spectroscopy was performed using high purity germanium detectors (HPGE).

Method References:

1. EPA 600/4-80-032, Prescribed Procedures for the Measurement of Radioactivity in Drinking Water, August 1980.
2. Standard Methods for the Examination of Water and Waste Water, 18th, 1992.
3. EPA SW-846, Test Methods for Evaluating Solid Wastes, Third Edition (9/86). (Updated through 1995)
4. EPA 600/4-79-020, Methods for Chemical Analysis of Water and Waste, March 1983.
5. HASL 300.

Definitions:

- | | | |
|-----|-----------------|--|
| 1. | BDL | Analyte not detected because the value was below the detection limit. |
| 2. | ND | Not detected above the detection limit. |
| 3. | Detection Limit | The minimum amount of analyte that can be detected utilizing the specific analysis |
| 4. | B | Method Blank. |
| 5. | D | Method Duplicate. |
| 6. | MS | Matrix Spike. |
| 7. | S | Spike. |
| 8. | RS | Reference Spike. |
| 9. | SC | Subcontracted to qualified laboratory. |
| 10. | NR | Not Referenced. |
| 11. | N/A | Not applicable. |
| 12. | MDA | Minimum detectable activity. |



1 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Eddie Seay Consulting</u> Project Manager: <u>Eddie Seay</u> Address: <u>601 W Illinois</u> City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88242</u> Phone #: <u>2-2236</u> Fax #: <u>2-6949</u> Project #: <u>DD Landform</u> Project Owner: <u>J. Cooper</u> Project Name: <u>DD Landform (01-0034) Valley</u> Project Location: <u>E. Emilee Hwy 176</u> Sampler Name: <u>Eddie W Seay</u>				BILL TO P.O. #: Company: Attn: <u>Dennis</u> Address: City: State: <u>NM</u> Zip: Phone #: Fax #:		ANALYSIS REQUEST														
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	BTEX	TPH (GOLD)	Chlorides	Arsenic	Barium	Cadmium	Cyanide	Lead	Mercury	Selenium	Silver	PCB
		Cell 2 - 1	✓	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	✓		4/19	8:20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Cell 2 - 2	✓		✓		4/19	9:50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Cell 2 - 3	✓		✓		4/19	11:15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Cell 2 - 4	✓		✓		4/19	1:40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Relinquished By: <u>Eddie W Seay</u> Relinquished By:	Date: <u>4/19</u> Time: <u>3:25</u>	Received By: <u>Godi Benson</u> Received By:	Date: Time:	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: <p>all 20.6.2. 3103 A+B</p>
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>3c</u>		Sample Condition Cool/Intact/Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No/Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: <u>G</u>

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



2 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:		BILL TO		ANALYSIS REQUEST																						
Project Manager:		P.O. #:																								
Address:		Company:																								
City: State: Zip:		Attn:																								
Phone #: Fax #:		Address:																								
Project #: DD Landfills		City:																								
Project Name: DD - Vastose Zone Investigation		State: Zip:																								
Project Location:		Phone #:																								
Sampler Name:		Fax #:																								
Lab I.D.	Sample I.D.	(GRAB OR COMPOUND)	# CONTAINERS	MATRIX				PRESERV		SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME	Carbon Tetrachloride	EDC	DCE	PCE	TCE	Methylene Chloride	Chloroform	EDB	Trichloroethane	Tetrachloroethane	Vinyl chloride	Polycyclic aromatic Hydrocarbons
	Cell 2-1												4/19		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cell 2-2												4/19		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cell 2-3												4/19		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cell 2-4												4/19		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Relinquished By:	Date: 4/19	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 3:25		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input type="checkbox"/>			
	Yes <input type="checkbox"/> No <input type="checkbox"/>			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Eddie Seay Consulting</u>				BILL TO				ANALYSIS REQUEST											
Project Manager: <u>Eddie Seay</u>				P.O. #:															
Address: <u>601 W Illinois</u>				Company:															
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88242</u>				Attn: <u>Same</u>															
Phone #: <u>2-2286</u> Fax #: <u>2-6949</u>				Address:															
Project #: <u>DD Landform</u> Project Owner: <u>J. Cooper</u>				City:															
Project Name: <u>DD Landform (01-0034) Valero</u>				State: <u>2015</u> Zip:															
Project Location: <u>E. Eureka Hwy 176</u>				Phone #:															
Sampler Name: <u>Eddie W Seay</u>				Fax #:															

Lab I.D.	Sample I.D.	FOR LAB USE ONLY	(G)RNDOR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME	BTX	TPH (gals)	Chlorides	Arsenic	Barium	Cadmium	Cyanide	Lead	Mercury	Selenium	Silver	PCB	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER																	
H100793	-1 Cell 2 - 1		✓				✓					✓			4/19	8:20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	-2 Cell 2 - 2		✓				✓					✓			4/19	9:50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	-3 Cell 2 - 3		✓				✓					✓			4/19	11:15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	-4 Cell 2 - 4		✓				✓					✓			4/19	1:40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Relinquished By: <u>Eddie W Seay</u>	Date: <u>4/19</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <u>3:25</u>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Date:	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	REMARKS: <u>all 20.6.2. 3103 A+B</u>	
	Time:	CHECKED BY: <u>[Signature]</u>		

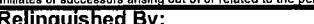
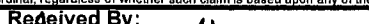



2-f 3

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

Company Name:				BILL TO				ANALYSIS REQUEST																					
Project Manager:				P.O. #:				<div style="display: flex; flex-direction: row;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Carbon Tetrachloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">EDC</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">DCE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PCE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TCE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Methylene Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloroform</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">ETDB</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Trichloroethane</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Tetrachloroethane</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Vinyl Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Polyaromatic Hydrocarbons</div> </div>																					
Address:				Company:																									
City:		State:		Zip:		Attn:																							
Phone #:		Fax #:		Address:																									
Project #:		Project Owner:		City:																									
Project Name: DD - Vadose Zone Investigation				State:				Zip:																					
Project Location:				Phone #:																									
Sampler Name:				Fax #:																									
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING															
								GROUNDWATER																					
								WASTEWATER																					
								SOIL																					
								OIL																					
								SLUDGE																					
								OTHER:																					
								ACID/BASE:																					
								ICE / COOL																					
								OTHER:																					
												DATE		TIME															
H100793		Cell 2-1												4/19															
-2		Cell 2-2												4/19															
-3		Cell 2-3												4/19															
-4		Cell 2-4												4/19															

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Relinquished By: 		Date: <u>4/19</u>		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
Relinquished By:		Date:		Received By:					
Delivered By: (Circle One)		Sample Condition		CHECKED BY:					
Sampler - UPS - Bus - Other:		Cool <u>3°C</u> Intact <u>X</u>		(Initials) 					
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>							

† () al cannot accept verbal changes. Please fax written changes to 505-492-2476



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				BILL TO				ANALYSIS REQUEST																			
Project Manager:				P.O. #:				<div style="display: flex; flex-direction: row;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Benzo - a - pyrene</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Copper</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Iron</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Manganese</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Sulfate</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Zinc</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Ra 226 + Ra 228</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Uranium</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">F, NO₃</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">phenols</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">pH</div> </div>																			
Address:				Company:																							
City: State: Zip:				Attn:																							
Phone #: Fax #:				Address:																							
Project #: DD Lamborn Project Owner:				City:																							
Project Name: DD - Varose Zone Investigation				State: Zip:																							
Project Location:				Phone #:																							
Sampler Name:				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
								GROUNDWATER				ACID/BASE:		DATE		TIME											
								WASTEWATER				ICE / COOL															
								SOIL				OTHER:															
								OIL																			
								SLUDGE																			
								OTHER:																			
14100793-		continued																									
1 Cell 2 - 1														4/19													
2 Cell 2 - 2														4/19													
3 Cell 2 - 3														4/19													
4 Cell 2 - 4														4/19													

Relinquished By: <u>E. L. H. S.</u>		Date: <u>4/19</u>		Received By: <u>Jodi Nenson</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: _____	
		Time: <u>3:25</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: _____	
Relinquished By: _____		Date: _____		Received By: _____		REMARKS: _____ _____ _____			
		Time: _____							
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) <u>JN</u>			

al cannot accept verbal changes. Please fax written changes to 505/393-2476.

January 28, 2011

RECEIVED OCD

2011 FEB -25 P 12:55

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

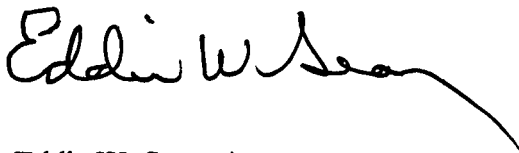
RE: DD Landfarm (Permit #01-0034)
Semi-Annual Sampling

Mr. Hansen:

Find attached the semi-annual sampling for both the Treatment Zone and Vadose Zone as required. The Treatment Zone samples were taken at a depth of approximately six to eight inches of surface within the cell lift. The Vadose samples were taken at approximately four feet below the cell lift.

Should you need anything further or 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



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

January 25, 2011

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: D D LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 01/19/11 8:30.

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: 01/19/2011
Reported: 01/25/2011
Project Name: D D LANDFARM
Project Number: NONE GIVEN
Project Location: D D LAND FARM

Sampling Date: 01/18/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL - 1 T (H100127-01)

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	01/20/2011	ND	432	108	400	3.64	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2011	ND	242	96.8	250	3.42	
DRO >C10-C28	627	10.0	01/20/2011	ND	235	94.2	250	2.87	
Surrogate: 1-Chlorooctane	89.0 %	70-130							
Surrogate: 1-Chlorooctadecane	87.7 %	70-130							

Sample ID: CELL - 2 T (H100127-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/20/2011	ND	432	108	400	3.64	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/20/2011	ND	242	96.8	250	3.42	
DRO >C10-C28	203	50.0	01/20/2011	ND	235	94.2	250	2.87	
Surrogate: 1-Chlorooctane	94.3 %	70-130							
Surrogate: 1-Chlorooctadecane	103 %	70-130							

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*=Accredited Analyte

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Celuy D. Keene

Analytical Results For:

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

Received: 01/19/2011
Reported: 01/25/2011
Project Name: D D LANDFARM
Project Number: NONE GIVEN
Project Location: D D LAND FARM

Sampling Date: 01/18/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL - 3 T (H100127-03)

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	01/20/2011	ND	432	108	400	3.64	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2011	ND	242	96.8	250	3.42	
DRO >C10-C28	415	10.0	01/20/2011	ND	235	94.2	250	2.87	

Surrogate: 1-Chlorooctane 82.9 % 70-130

Surrogate: 1-Chlorooctadecane 84.5 % 70-130

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Received: 01/19/2011
Reported: 01/25/2011
Project Name: D D LANDFARM
Project Number: NONE GIVEN
Project Location: D D LAND FARM

Sampling Date: 01/18/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL - 1 V (H100127-04)

BTX 8021B		mg/L		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2011	ND	2.37	118	2.00	19.9	
Toluene*	<0.050	0.050	01/24/2011	ND	2.34	117	2.00	18.5	
Ethylbenzene*	<0.050	0.050	01/24/2011	ND	2.33	117	2.00	16.3	
Total Xylenes*	<0.150	0.150	01/24/2011	ND	6.97	116	6.00	16.0	

Surrogate: 4-Bromofluorobenzene (PII) 98.3 % 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	112	16.0	01/20/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2011	ND	242	96.8	250	3.42	
DRO >C10-C28	<10.0	10.0	01/20/2011	ND	235	94.2	250	2.87	

Surrogate: 1-Chlorooctane 79.3 % 70-130

Surrogate: 1-Chlorooctadecane 79.6 % 70-130

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Received: 01/19/2011
Reported: 01/25/2011
Project Name: D D LANDFARM
Project Number: NONE GIVEN
Project Location: D D LAND FARM

Sampling Date: 01/18/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL - 2 V (H100127-05)

BTX 8260B		mg/kg		Analyzed By: AB/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/19/2011	ND	1.85	92.5	2.00	5.62	
Toluene*	<0.100	0.100	01/19/2011	ND	1.87	93.3	2.00	3.47	
Ethylbenzene*	<0.100	0.100	01/19/2011	ND	1.78	89.0	2.00	1.12	
Total Xylenes*	<0.300	0.300	01/19/2011	ND	5.70	95.1	6.00	0.249	

Surrogate: Dibromofluoromethane 105 % 80-120

Surrogate: Toluene-d8 105 % 80-120

Surrogate: 4-Bromofluorobenzene 105 % 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	240	16.0	01/20/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2011	ND	242	96.8	250	3.42	
DRO >C10-C28	<10.0	10.0	01/20/2011	ND	235	94.2	250	2.87	

Surrogate: 1-Chlorooctane 90.0 % 70-130

Surrogate: 1-Chlorooctadecane 88.7 % 70-130

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Eddie Seay
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Hobbs NM, 88242
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Received: 01/19/2011
Reported: 01/25/2011
Project Name: D D LANDFARM
Project Number: NONE GIVEN
Project Location: D D LAND FARM

Sampling Date: 01/18/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL - 3 V (H100127-06)

BTEx 8260B			mg/kg		Analyzed By: AB/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/19/2011	ND	1.85	92.5	2.00	5.62	
Toluene*	<0.100	0.100	01/19/2011	ND	1.87	93.3	2.00	3.47	
Ethylbenzene*	<0.100	0.100	01/19/2011	ND	1.78	89.0	2.00	1.12	
Total Xylenes*	<0.300	0.300	01/19/2011	ND	5.70	95.1	6.00	0.249	

Surrogate: Dibromofluoromethane 108 % 80-120

Surrogate: Toluene-d8 106 % 80-120

Surrogate: 4-Bromofluorobenzene 106 % 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	01/20/2011	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2011	ND	242	96.8	250	3.42	
DRO >C10-C28	27.0	10.0	01/20/2011	ND	235	94.2	250	2.87	

Surrogate: 1-Chlorooctane 105 % 70-130

Surrogate: 1-Chlorooctadecane 104 % 70-130

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Celuy D. Keene

Notes and Definitions

Z-01

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Eddie Seay Consulting</u>				BILL TO				ANALYSIS REQUEST																
Project Manager: <u>Eddie Seay</u>				P.O. #:				<div>BT EX TPH (2015) Chloride</div>																
Address: <u>691 W Illinois</u>				Company:																				
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88242</u>				Attn:																				
Phone #: <u>2-2236</u> Fax #: <u>2-6949</u>				Address:																				
Project #: <u>DD Landform</u> Project Owner: <u>J. Cooper</u>				City:																				
Project Name: <u>DD Landform Inc. - Bismarck</u>				State: Zip:																				
Project Location: <u>Highway 176 East of Eunice</u>				Phone #:																				
Sampler Name: <u>Eddie Seay</u>				Fax #:																				
FOR LAB USE ONLY																								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX					PRESERV			SAMPLING												
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME										
H100127-1	Cell - 1T	✓	1			✓					✓		1/18	9:15	✓	✓								
2	Cell - 2T	✓	1			✓					✓		1/18	9:40	✓	✓								
3	Cell - 3T	✓	1			✓					✓		1/18	10:30	✓	✓								
4	Cell - 1V	✓	1			✓					✓		1/18	12:10	✓	✓	✓							
5	Cell - 2V	✓	1			✓					✓		1/18	2:20	✓	✓	✓							
6	Cell - 3V	✓	1			✓					✓		1/18	3:50	✓	✓	✓							

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Relinquished By: <u>Eddie Seay</u>	Date: <u>1/19</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>8:30</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		<u>390-2454</u>	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	(Initials)		