

NM1 - ____12____

**MONITORING
REPORT**

YEAR(S):

____2013-2014____

Jones, Brad A., EMNRD

From: Jones, Brad A., EMNRD
Sent: Thursday, July 02, 2015 2:09 PM
To: 'Rena Seay'
Subject: RE: Landfarm Rule Modification

Eddy,

Each letter provided instructions if approval of a modification could not be demonstrated. Below is the paragraph from each letter with the instructions underlined.

C&C Landfarm:

“OCD has reviewed the administrative files for the facility and determined that the vadose zone monitoring frequency changed from the permit condition “The soil samples will be analyzed using approved EPA methods for TPH and BTEX quarterly, and for major cations/anions and heavy metals annually,” to semi-annual in 2008. OCD has been unable to locate C&C’s modification request for the change in sampling frequency or OCD’s approval for such a modification request. Please provide OCD a copy of C&C’s modification request and OCD approval in order to continue the semi-annual sampling frequency. If C&C is unable to demonstrate the approval, C&C shall revert back permitted vadose zone monitoring frequency. Please note that the transitional provisions of 19.15.36.20 NMAC must be considered. Please review OCD’s letter dated June 30, 2011 and titled “*Compliance with the Transitional Provisions of the Surface Waste Management Facilities rule (Rule 36) and Treatment and Vadose Monitoring Requirements at Existing Landfarms*” for expectation of compliance.”

DD Landfarm:

“OCD has reviewed the administrative files for the facility and determined that the vadose zone monitoring frequency changed from the permit condition “The soil samples must be analyzed using EPA-approved methods for total petroleum hydrocarbons (TPH) and volatile aromatic organics (BTEX) quarterly and for major cations/anions and Water Quality Control Commission (WQCC) metals annually” to semi-annual in 2009. OCD has been unable to locate DD’s modification request for the change in sampling frequency or OCD’s approval for such a modification request. Please provide OCD a copy of DD’s modification request and OCD approval in order to continue the semi-annual sampling frequency. If DD is unable to demonstrate the approval, DD shall revert back permitted vadose zone monitoring frequency. Please note that the transitional provisions of 19.15.36.20 NMAC must be considered. Please review OCD’s letter dated June 30, 2011 and titled “*Compliance with the Transitional Provisions of the Surface Waste Management Facilities rule (Rule 36) and Treatment and Vadose Monitoring Requirements at Existing Landfarms*” for expectation of compliance.”

If you have any questions regarding this matter, please contact me.

Brad

Brad A. Jones
Environmental Engineer
EMNRD Oil Conservation Division
1220 S. Saint Francis Drive

Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Rena Seay [mailto:seay04@leaco.net]
Sent: Thursday, July 02, 2015 8:31 AM
To: Jones, Brad A., EMNRD
Subject: Landfarm Rule Modification

Hello Brad,

I have finished going thru the files of C & C Landfarm and DD Landfarm, and all correspondence pertaining to the same.

I have been unable to find a letter pertaining to the modification request to operate under rule 36. DD and C & C are committed to getting in compliance with OCD, and has been trying to comply with rule 36.

Please let me know what we can do to continue operations.

Your advice would be appreciated. Have a good 4th of July.

Thanks,

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

Jones, Brad A., EMNRD

From: Rena Seay <seay04@leaco.net>
Sent: Thursday, July 02, 2015 8:31 AM
To: Jones, Brad A., EMNRD
Subject: Landfarm Rule Modification

Hello Brad,

I have finished going thru the files of C & C Landfarm and DD Landfarm, and all correspondence pertaining to the same.

I have been unable to find a letter pertaining to the modification request to operate under rule 36. DD and C & C are committed to getting in compliance with OCD, and has been trying to comply with rule 36.

Please let me know what we can do to continue operations.

Your advice would be appreciated. Have a good 4th of July.

Thanks,

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

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

David R. Catanach, Division Director
Oil Conservation Division



June 4, 2015

Mr. Jimmie T. Cooper
C & C Landfarm Inc.
P.O. Box 55
Monument, New Mexico 88265

**RE: Extension Request To Respond To OCD's 2014 Bi-Annual Sampling and Five Year Monitoring Report Review
C & C Landfarm Inc.
Permit NM1-012
Location: Unit B of Section 3, Township 20 South, Range 37 East, NMPM
Lea County, New Mexico**

Dear Mr. Cooper:

The Oil Conservation Division (OCD) has completed the review of C & C Landfarm Inc.'s (C&C) request, received by OCD on June 2, 2015, for an extension to respond to OCD's request for additional information based upon OCD's May 14, 2015 written review of C&C's June 2014 Bi-Annual Treatment and Vadose Zone and Five Year Vadose Zone Monitoring Report; December 2014 Bi-Annual Treatment and Vadose Zone Monitoring Report; and the August 2014 Release Response report for Cell G. OCD hereby grants a 30-day extension to the original deadlines, as provided in OCD's May 14, 2015 review.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District I Office, Hobbs
Eddie Seay, Eddie Seay Consulting, Hobbs, NM 88242

C & C Landfarm

Box 55

Monument, NM 88265

RECEIVED OCD

2015 JUN -2 P 3: 16

NMOCD Environmental

ATTN: Brad Jones

1220 South St. Francis Drive

Santa Fe, NM 87505

RE: C & C Landfarm

Mr. Jones:

As owner and operator of C & C Landfarm, we have received your recent request for additional information at our facility. Our consultant is going to be gone until June 13th, 2015. We are requesting an extension of time to prepare the information the OCD needs.

Your favor to an extension would be appreciated.

Thanks,

A handwritten signature in black ink that reads "Jimmie T. Cooper". The signature is written in a cursive, flowing style.

C & C Landfarm

Jimmie T. Cooper

1-575-397-2045

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

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

David R. Catanach, Division Director
Oil Conservation Division



May 14, 2015

Mr. Jimmy Cooper
C & C Landfarm Inc.
P.O. Box 55
Monument, New Mexico 88265

**RE: 2014 Bi-Annual Sampling and Five Year Monitoring Report Review
C & C Landfarm Inc.
Permit NM1-012
Location: Unit B of Section 3, Township 20 South, Range 37 East, NMPM
Lea County, New Mexico**

Dear Mr. Cooper:

The Oil Conservation Division (OCD) has completed the review of C & C Landfarm Inc.'s (C&C) June 2014 Bi-Annual Treatment and Vadose Zone and Five Year Vadose Zone Monitoring Report; December 2014 Bi-Annual Treatment and Vadose Zone Monitoring Report; and the August 2014 Release Response report for Cell G. OCD appreciates C&C's efforts to implement changes to your monitoring protocols to comply with requests in OCD's 2013 Bi-Annual Sampling and Five Year Monitoring Report Review, dated April 9, 2014. The review of the 2014 monitoring data has resulted in the discovery of some issues that must be addressed in order for C&C to remain compliant with Permit NM1-012 and Part 36.

OCD has reviewed the administrative files for the facility and determined that the vadose zone monitoring frequency changed from the permit condition "The soil samples will be analyzed using approved EPA methods for TPH and BTEX quarterly, and for major cations/anions and heavy metals annually," to semi-annual in 2008. OCD has been unable to locate C&C's modification request for the change in sampling frequency or OCD's approval for such a modification request. Please provide OCD a copy of C&C's modification request and OCD approval in order to continue the semi-annual sampling frequency. If C&C is unable to demonstrate the approval, C&C shall revert back permitted vadose zone monitoring frequency. Please note that the transitional provisions of 19.15.36.20 NMAC must be considered. Please review OCD's letter dated June 30, 2011 and titled "*Compliance with the Transitional Provisions of the Surface Waste Management Facilities rule (Rule 36) and Treatment and Vadose Monitoring Requirements at Existing Landfarms*" for expectation of compliance.

Pursuant to 19.15.36.15.E NMAC, the operator is required to compare the vadose results "to the higher of the PQL or the background soil concentrations to determine whether a release has

occurred.” OCD’s review of the administrative files for the facility resulted in the discovery of the initial facility background data set from 1993. The May 7, 1993 background data set provided results for the following 24 analytes: pH; nitrates; hardness; calcium; magnesium; ortho-phosphate; sulfate; chlorides; arsenic, barium, cadmium, chromium; lead; mercury; selenium; silver; total recoverable petroleum hydrocarbons; benzene, toluene; ethyl benzene; total xylene, and MTBE. OCD has been unable to locate any additional background data that seemed to be used for the comparison for the 27 analytes from the five year vadose zone monitoring event and the 68 analytes from release response sampling event. Please provide OCD a copy of the laboratory data set used for the background/PQL data set, in order to establish an updated and revised facility background with OCD.

The June 2014 five year vadose zone monitoring results and laboratory chain of custody indicates that the vadose zone sampling event was an attempt to combine the annual vadose zone sampling required by permit condition and compliance with the five year vadose zone monitoring of 19.15.36.15.E.(3) NMAC. In doing so, additional analysis for total petroleum hydrocarbons (TPH), BTEX, and major cations/anions were performed on 3 of the 4 samples. Pursuant to the permit, “A minimum of one random soil sample will be taken from each individual cell, with no cell being larger than five (5) acres, six (6) months after the first contaminated soils are received in the cell and then quarterly thereafter. The sample will be taken at two (2) to three (3) feet below the native ground surface.” In accordance with 19.15.36.15.E.(3) NMAC, the operator “The operator shall collect and analyze a minimum of four randomly selected, independent samples from the vadose zone...” OCD also compared the 1993 background data set to the June 2014 five year vadose zone monitoring results and determined common exceedances for calcium, magnesium, arsenic, barium, cadmium, chromium, and lead. None of these exceedances were recognized in the assessment or recommended for the release response sampling of 19.15.36.15.E.(5) NMAC. If a different facility background data set was utilized for the assessment, please provide OCD a copy of the laboratory data set in order to establish an updated and revised facility background with OCD. If not, please demonstrate compliance to 19.15.36.15.E.(5) NMAC. Also, in the next sampling report, please identify which of the 13 landfarm cells (A through L) have been sampled for the five year vadose zone monitoring demonstration of 19.15.36.15.E.(3) NMAC and provide the associated sampling and laboratory results analyses date with the appropriate landfarm cell.

OCD compared the 1993 background data set to the August 2014 release response results for Cell G and determined common exceedances for arsenic, barium, cadmium, chromium, lead, and selenium. None of these exceedances were recognized in the assessment nor was a response action plan of 19.15.36.15.E.(5) NMAC proposed. The assessment provided in the report’s cover letter stated “The analytical was compared to the background and PQL and was within guidelines.” If a different facility background data set was utilized for the assessment, please provide OCD a copy of the laboratory data set in order to establish an updated and revised facility background with OCD. If not, please demonstrate compliance to 19.15.36.15.E.(5) NMAC.

Please note that the submittal of treatment zone monitoring results alone does not constitute a request for a successive/additional lift. The permit condition specifies “Authorization from the OCD must be obtained prior to application of successive lifts and/or removal of remediated soils.” OCD requires such request to be made under a separate cover from other reporting and

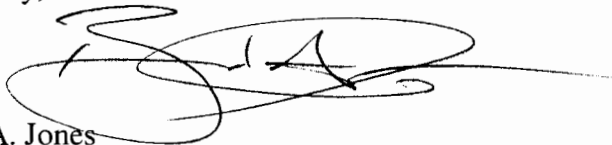
Mr. Cooper
C&C Landfarms Inc.
Permit NM-1-012
May 14, 2015
Page 3 of 3

include the supporting analytical results and an updated facility map that illustrates and identifies the individual landfarm cells within the facility boundary and indicate the approximate location within the landfarm cells in which the samples were obtained.

Please provide OCD a copy of C&C's modification request and OCD approval in order to continue the semi-annual sampling frequency within 45 days of the date of this letter. Please provide OCD a copy of the laboratory data set used for the background/PQL data set, in order to establish an updated and revised facility background with OCD within 45 days of the date of this letter. If the 1993 background data set is the only background data for the comparison to determine whether a release has occurred in the vadose zone, please demonstrate compliance to 19.15.36.15.E.(5) NMAC by initiated the additional sampling for the landfarm cells that demonstrate exceedances in the June 2014 Five Year Vadose Zone Monitoring Report and submit a response action plan to address the exceedances August 2014 Release Response report for Cell G within 90 days of the date of this letter. Please identified which of the 13 landfarm cells (A through L) have been sampled for the five year vadose zone monitoring demonstration of 19.15.36.15.E.(3) NMAC and provide the associated sampling and laboratory results analyses date with the appropriate landfarm cell, with the next monitoring report.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Brad A. Jones', with a long horizontal line extending to the right.

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District I Office, Hobbs
Eddie Seay, Eddie Seay Consulting, Hobbs, NM 88242

January 2015

RECEIVED
JAN 14 2015

NMOCD Environmental
1220 S. Saint Francis Drive
Santa Fe, NM 87504

RE: C & C Landfarm (NM-01-0012)
Bi-Annual Test

Dear Sir:

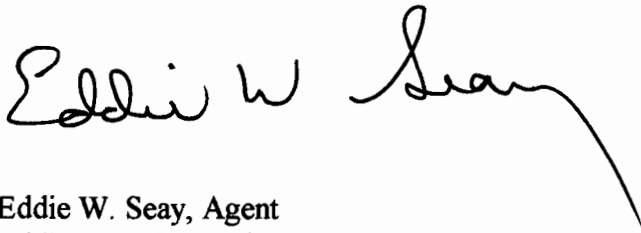
Find enclosed the analytical for the sampling event at C & C Landfarm.

The analytical was compared to the "PQL and Background", and all were in compliance.

On the next sampling event, we will test for Cations, Anions and WQCC metals.

Should you have any questions, please call.

Thanks,



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

cc: C & C Landfarm (J. Cooper)

January 05, 2015

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: C & C LANDFARM - TREATMENT ZONE

Enclosed are the results of analyses for samples received by the laboratory on 12/29/14 16:00.

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

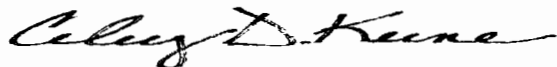
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/29/2014	Sampling Date:	12/28/2014
Reported:	01/05/2015	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL A - T (H403937-01)

Chloride, SM4500C-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	25.0	10.0	12/30/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/30/2014	ND					

Surrogate: 1-Chlorooctane 85.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 82.9 % 52.1-176

Sample ID: CELL B - T (H403937-02)

Chloride, SM4500C-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	18.1	10.0	12/30/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/30/2014	ND					

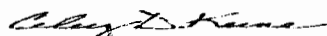
Surrogate: 1-Chlorooctane 86.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.2 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/28/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL C - T (H403937-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	238	10.0	12/30/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	63.0	10.0	12/30/2014	ND					

Surrogate: 1-Chlorooctane 85.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.3 % 52.1-176

Sample ID: CELL D - T (H403937-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	467	10.0	12/30/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	214	10.0	12/30/2014	ND					

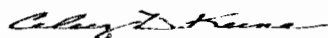
Surrogate: 1-Chlorooctane 88.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.8 % 52.1-176

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: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/28/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL E - T (H403937-05)
Chloride, SM4500C1-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/30/2014	ND	400	100	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	<10.0	10.0	12/30/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/30/2014	ND					

Surrogate: 1-Chlorooctane 88.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.7 % 52.1-176

Sample ID: CELL F - T (H403937-06)
Chloride, SM4500C1-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/30/2014	ND	400	100	400	0.00	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	108	10.0	12/30/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	43.9	10.0	12/30/2014	ND					

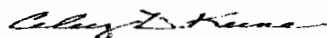
Surrogate: 1-Chlorooctane 80.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.2 % 52.1-176

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: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/28/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL G - T (H403937-07)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	<10.0	10.0	12/30/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/30/2014	ND					
Surrogate: 1-Chlorooctane	89.6 %	47.2-157							
Surrogate: 1-Chlorooctadecane	86.8 %	52.1-176							

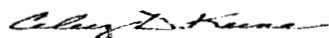
Sample ID: CELL H - T (H403937-08)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	<10.0	10.0	12/30/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/30/2014	ND					
Surrogate: 1-Chlorooctane	90.2 %	47.2-157							
Surrogate: 1-Chlorooctadecane	90.0 %	52.1-176							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/29/2014	Sampling Date:	12/28/2014
Reported:	01/05/2015	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL I - T (H403937-09)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	450	10.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	178	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 87.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.3 % 52.1-176

Sample ID: CELL J - T (H403937-10)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	1100	50.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	459	50.0	12/31/2014	ND					

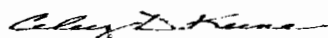
Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 122 % 52.1-176

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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:	12/29/2014	Sampling Date:	12/28/2014
Reported:	01/05/2015	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL K - T (H403937-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	410	10.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	145	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 91.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

Sample ID: CELL L - T (H403937-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	44.6	10.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 90.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.4 % 52.1-176

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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: 12/29/2014
 Reported: 01/05/2015
 Project Name: C & C LANDFARM - TREATMENT ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 12/28/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL M - T (H403937-13)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/30/2014	ND	400	100	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	305	10.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	126	10.0	12/31/2014	ND					

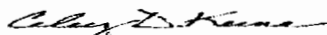
Surrogate: 1-Chlorooctane 87.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.2 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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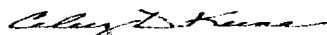
Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

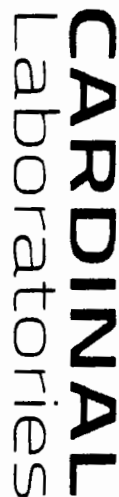
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

12

<p>Company Name: C+C Landform</p> <p>Project Manager: J. Cooper</p> <p>Address: Box 55</p> <p>City: Monument</p> <p>Phone #: 392-2231</p> <p>Project #: C+C Landform</p> <p>Project Name: C+C Landform</p> <p>Project Location: Monument S&D 3 T. 20 R 37</p> <p>Sample Name: Eddie's Spring Contaminant</p> <p>FOR LAB USE ONLY</p>		<p>State: NM</p> <p>Zip: 88265</p> <p>Fax #: 392-6949</p> <p>Project Owner: J. Cooper</p> <p>City: Monument</p> <p>State: NM</p> <p>Phone #:</p> <p>Fax #:</p>	
<p>Lab I.D.:</p> <p>Sample I.D.:</p>		<p>P.O. #:</p> <p>Company: C+C</p> <p>Attn: J. Cooper</p> <p>Address: Box 55</p>	
<p>Cell A - T</p> <p>Cell B - T</p> <p>Cell C - T</p> <p>Cell D - T</p> <p>Cell E - T</p> <p>Cell G - T</p> <p>Cell H - T</p> <p>Cell I - T</p>		<p>MATRIX</p> <p>GROUNDWATER</p> <p>WASTEWATER</p> <p>SOIL</p> <p>OIL</p> <p>SLUDGE</p> <p>OTHER</p> <p>ACID/BASE:</p> <p>ICE / COOL</p> <p>OTHER</p>	
<p>DATE</p> <p>TIME</p>		<p>ANALYSIS REQUEST</p> <p>BTEX</p> <p>TPH</p> <p>Chloride</p>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2706



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

2 of 2

Company Name: C+C Landform		P.O. #:		BILL TO		ANALYSIS REQUEST													
Project Manager: J. Cooper		Company: C+C																	
Address: Box 55		Attn: J. Cooper																	
City: Monmouth		Address: Box 55																	
State: NM Zip: 88245																			
Phone #: 392-2231		City: Monmouth																	
Fax #: 392-6949		State: NM																	
Project #: C+C Landform		Project Owner: J. Cooper																	
Project Name: C+C Landform		Project Location: Monmouth, NM 88245																	
Project Location: Monmouth, NM 88245		Phone #: 392-2231																	
Fax #: 392-6949																			
Sample Name: Edlin, Sandy Canyon		Fax #: 392-6949																	
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)IMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	8015 / M / Extended	Chloride	
H4D3937	CDO 35 - T		1										12/28	11:30					
	11 CDO K - T		1										12/28	11:20					
	12 CDO L - T		1										12/28	11:40					
	13 CDO M - T		1										12/28	12:10					
Relinquished By: [Signature]		Date: 12/29		Received By: [Signature]		Date: 12/29		Time: 4:55		Relinquished By: [Signature]		Date: 12/29		Time: 4:55		Remarks: [Signature]		Remarks: [Signature]	
Delivered By: (Circle One)		Sample Condition		Checked By: [Signature]		Checked By: [Signature]		Checked By: [Signature]		Checked By: [Signature]		Checked By: [Signature]		Checked By: [Signature]		Checked By: [Signature]		Checked By: [Signature]	
Sampler - UPS - Bus - Other:		Cool Impact		Cool Impact		Cool Impact		Cool Impact		Cool Impact		Cool Impact		Cool Impact		Cool Impact		Cool Impact	
2.80		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes	
Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326		Fax Result:		Fax Result:		Fax Result:		Fax Result:		Fax Result:		Fax Result:		Fax Result:		Fax Result:		Fax Result:	

January 05, 2015

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

RE: C & C LANDFARM - VADOSE ZONE

Enclosed are the results of analyses for samples received by the laboratory on 12/29/14 16:00.

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

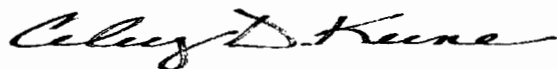
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/28/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A- V (H403938-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/30/2014	ND	1.83	91.3	2.00	6.81	
Toluene*	<0.050	0.050	12/30/2014	ND	1.83	91.5	2.00	5.49	
Ethylbenzene*	<0.050	0.050	12/30/2014	ND	1.75	87.3	2.00	4.81	
Total Xylenes*	<0.150	0.150	12/30/2014	ND	5.27	87.9	6.00	5.31	
Total BTEX	<0.300	0.300	12/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 66.2-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	0.00	

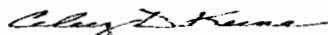
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 85.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.9 % 52.1-176

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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: 12/29/2014
 Reported: 01/05/2015
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 12/28/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL B- V (H403938-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/30/2014	ND	1.83	91.3	2.00	6.81	
Toluene*	<0.050	0.050	12/30/2014	ND	1.83	91.5	2.00	5.49	
Ethylbenzene*	<0.050	0.050	12/30/2014	ND	1.75	87.3	2.00	4.81	
Total Xylenes*	<0.150	0.150	12/30/2014	ND	5.27	87.9	6.00	5.31	
Total BTEX	<0.300	0.300	12/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 66.2-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 94.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.6 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/28/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL C- V (H403938-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/30/2014	ND	1.83	91.3	2.00	6.81	
Toluene*	<0.050	0.050	12/30/2014	ND	1.83	91.5	2.00	5.49	
Ethylbenzene*	<0.050	0.050	12/30/2014	ND	1.75	87.3	2.00	4.81	
Total Xylenes*	<0.150	0.150	12/30/2014	ND	5.27	87.9	6.00	5.31	
Total BTEX	<0.300	0.300	12/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 66.2-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

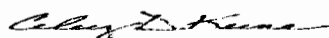
Surrogate: 1-Chlorooctane 90.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.6 % 52.1-176

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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: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/28/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL D - V (H403938-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/30/2014	ND	1.83	91.3	2.00	6.81	
Toluene*	<0.050	0.050	12/30/2014	ND	1.83	91.5	2.00	5.49	
Ethylbenzene*	<0.050	0.050	12/30/2014	ND	1.75	87.3	2.00	4.81	
Total Xylenes*	<0.150	0.150	12/30/2014	ND	5.27	87.9	6.00	5.31	
Total BTX	<0.300	0.300	12/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0% 66.2-142

Chloride, SM4500C1-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 89.6% 47.2-157

Surrogate: 1-Chlorooctadecane 90.0% 52.1-176

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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: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/28/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL E- V (H403938-05)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2014	ND	1.83	91.6	2.00	2.58	
Toluene*	<0.050	0.050	12/31/2014	ND	1.82	91.0	2.00	3.29	
Ethylbenzene*	<0.050	0.050	12/31/2014	ND	1.73	86.4	2.00	4.64	
Total Xylenes*	<0.150	0.150	12/31/2014	ND	5.23	87.2	6.00	4.78	
Total BTEX	<0.300	0.300	12/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	197	98.5	200	1.82	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	231	115	200	0.909	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 90.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.0 % 52.1-176

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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: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/28/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL F - V (H403938-06)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2014	ND	1.83	91.6	2.00	2.58	
Toluene*	<0.050	0.050	12/31/2014	ND	1.82	91.0	2.00	3.29	
Ethylbenzene*	<0.050	0.050	12/31/2014	ND	1.73	86.4	2.00	4.64	
Total Xylenes*	<0.150	0.150	12/31/2014	ND	5.23	87.2	6.00	4.78	
Total BTEX	<0.300	0.300	12/31/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	195	97.4	200	2.01	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	229	115	200	3.27	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 88.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.5 % 52.1-176

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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: 12/29/2014
 Reported: 01/05/2015
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL G - V (H403938-07)
BTEX 8021B
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2014	ND	1.83	91.6	2.00	2.58	
Toluene*	<0.050	0.050	12/31/2014	ND	1.82	91.0	2.00	3.29	
Ethylbenzene*	<0.050	0.050	12/31/2014	ND	1.73	86.4	2.00	4.64	
Total Xylenes*	<0.150	0.150	12/31/2014	ND	5.23	87.2	6.00	4.78	
Total BTEX	<0.300	0.300	12/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 61-154

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	3.92	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	195	97.4	200	2.01	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	229	115	200	3.27	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 83.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 81.1 % 52.1-176

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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: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL H - V (H403938-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2014	ND	1.83	91.6	2.00	2.58	
Toluene*	<0.050	0.050	12/31/2014	ND	1.82	91.0	2.00	3.29	
Ethylbenzene*	<0.050	0.050	12/31/2014	ND	1.73	86.4	2.00	4.64	
Total Xylenes*	<0.150	0.150	12/31/2014	ND	5.23	87.2	6.00	4.78	
Total BTEX	<0.300	0.300	12/31/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	195	97.4	200	2.01	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	229	115	200	3.27	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					


Surrogate: 1-Chlorooctane 88.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.6 % 52.1-176

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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: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL I - V (H403938-09)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2014	ND	1.83	91.6	2.00	2.58	
Toluene*	<0.050	0.050	12/31/2014	ND	1.82	91.0	2.00	3.29	
Ethylbenzene*	<0.050	0.050	12/31/2014	ND	1.73	86.4	2.00	4.64	
Total Xylenes*	<0.150	0.150	12/31/2014	ND	5.23	87.2	6.00	4.78	
Total BTEX	<0.300	0.300	12/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	3.92	

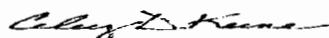
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	195	97.4	200	2.01	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	229	115	200	3.27	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 88.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.1 % 52.1-176

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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: 12/29/2014
 Reported: 01/05/2015
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL J - V (H403938-10)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2014	ND	1.83	91.6	2.00	2.58	
Toluene*	<0.050	0.050	12/31/2014	ND	1.82	91.0	2.00	3.29	
Ethylbenzene*	<0.050	0.050	12/31/2014	ND	1.73	86.4	2.00	4.64	
Total Xylenes*	<0.150	0.150	12/31/2014	ND	5.23	87.2	6.00	4.78	
Total BTEX	<0.300	0.300	12/31/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/30/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	195	97.4	200	2.01	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	229	115	200	3.27	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

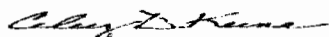
Surrogate: 1-Chlorooctane 87.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.0 % 52.1-176

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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: 12/29/2014
 Reported: 01/05/2015
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL K - V (H403938-11)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2014	ND	1.83	91.6	2.00	2.58	
Toluene*	<0.050	0.050	12/31/2014	ND	1.82	91.0	2.00	3.29	
Ethylbenzene*	<0.050	0.050	12/31/2014	ND	1.73	86.4	2.00	4.64	
Total Xylenes*	<0.150	0.150	12/31/2014	ND	5.23	87.2	6.00	4.78	
Total BTEX	<0.300	0.300	12/31/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/30/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	195	97.4	200	2.01	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	229	115	200	3.27	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 89.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.8 % 52.1-176

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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: 12/29/2014
Reported: 01/05/2015
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL L - V (H403938-12)
BTEX 8021B
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2014	ND	1.83	91.6	2.00	2.58	
Toluene*	<0.050	0.050	12/31/2014	ND	1.82	91.0	2.00	3.29	
Ethylbenzene*	<0.050	0.050	12/31/2014	ND	1.73	86.4	2.00	4.64	
Total Xylenes*	<0.150	0.150	12/31/2014	ND	5.23	87.2	6.00	4.78	
Total BTEX	<0.300	0.300	12/31/2014	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/30/2014	ND	400	100	400	3.92	

TPH 8015M
mg/kg
Analyzed By: MS

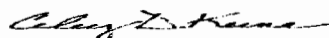
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	195	97.4	200	2.01	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	229	115	200	3.27	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

Surrogate: 1-Chlorooctane 85.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.4 % 52.1-176

Cardinal Laboratories
***=Accredited Analyte**

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Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL M - V (H403938-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2014	ND	1.83	91.6	2.00	2.58	
Toluene*	<0.050	0.050	12/31/2014	ND	1.82	91.0	2.00	3.29	
Ethylbenzene*	<0.050	0.050	12/31/2014	ND	1.73	86.4	2.00	4.64	
Total Xylenes*	<0.150	0.150	12/31/2014	ND	5.23	87.2	6.00	4.78	
Total BTEX	<0.300	0.300	12/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/31/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2014	ND	195	97.4	200	2.01	
DRO >C10-C28	<10.0	10.0	12/31/2014	ND	229	115	200	3.27	
EXT DRO >C28-C35	<10.0	10.0	12/31/2014	ND					

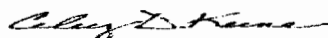
Surrogate: 1-Chlorooctane 88.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.4 % 52.1-176

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

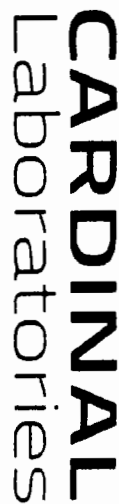
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

122

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 383-3326



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: C+C Landform	BILL TO	ANALYSIS REQUEST
----------------------------	---------	------------------

Project Manager: J. Cooper	P.O. #:	
----------------------------	---------	--

Address: Box 55	Company: C+C
-----------------	--------------

City: Monmouth	State: NM Zip: 88245	Attn: J. Cooper
----------------	----------------------	-----------------

Phone #: 392-2234	Fax #: 392-6949	Address: Box 55
-------------------	-----------------	-----------------

Project #: C+C Landform	Project Owner: J. Cooper	City:
-------------------------	--------------------------	-------

Project Name: C+C Landform	Address: NM 01-12	State: Monmouth
----------------------------	-------------------	-----------------

Project Location: Monmouth Sub 3 T. 20 R. 37	Phone #:	
--	----------	--

Sampler Name: Eddie Sany Cassin	Fax #:	
---------------------------------	--------	--

FOR LAB USE ONLY	MATRIX	PRESERV	SAMPLING
------------------	--------	---------	----------

Lab I.D.	Sample I.D.	(G)RAB OR (C)GAP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	BTEX	TPH	8015	12	Ext	Chloride
1409938																				
ID	Coe J-V		1										12/29	9:20						
11	Co K-V		1										12/29	10:00						
12	Co L-V		1										12/29	10:40						
13	Co M-V		1										12/29	11:10						

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Relinquished By: [Signature]	Date: 12/29	Time: 4:00	Received By: [Signature]	Date: 12/29	Time: 11:10
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Relinquished By: [Signature]	Date: 12/29	Time: 4:00	Received By: [Signature]	Date: 12/29	Time: 11:10
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Delivered By: (Circle One)	Sample Condition	CHECKED BY:	REMARKS:
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Price <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	[Signature]	Seam. Annual test Seam out @ 10000 - not

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326, #241

September 22, 2014

RECEIVED OGD

2014 SEP 26 PM 3: 00

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

RE: C & C Landfarm
Cell G

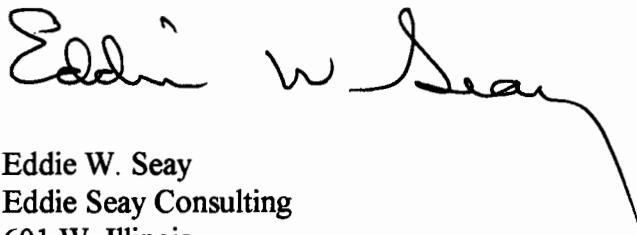
Mr. Jones:

Find attached analytical for the additional sampling for cell G at C & C Landfarm as required. The analytical was compared to the background and PQL and was within guidelines.

The only explanation for the elevated TPH in the original vadose sample was human error. We will be more cautious in the future.

Should you have any questions or need anything further, please let me know.

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

cc: C & C Landfarm

September 04, 2014

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

RE: C & C LANDFARM (NM-01-0012) VADOSE ZONE

Enclosed are the results of analyses for samples received by the laboratory on 08/06/14 10:15.

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

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

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

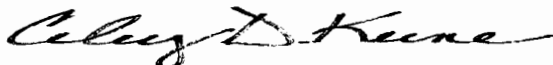
Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949


Reported:
04-Sep-14 10:06

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL G - 1	H402411-01	Soil	05-Aug-14 13:30	06-Aug-14 10:15
CELL G - 2	H402411-02	Soil	05-Aug-14 14:15	06-Aug-14 10:15
CELL G - 3	H402411-03	Soil	05-Aug-14 15:10	06-Aug-14 10:15
CELL G - 4	H402411-04	Soil	05-Aug-14 16:00	06-Aug-14 10:15

Cardinal Laboratories

*=Accredited Analyte

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Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 1
H402411-01 (Soil)

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

Chloride	ND		16.0	mg/kg	4	4081401	AP	15-Aug-14	4500-Cl-B	
pH*	8.39		0.100	pH Units	1	4081204	AP	12-Aug-14	9045	
Phenols	ND		2.5	mg/kg dry wt.	1	4083105	CK	19-Aug-14	EPA9065	SUB-AL
Sulfate	ND		100	mg/kg	10	4081805	AP	18-Aug-14	375.4	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4080611	CK	18-Aug-14	418.1	
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Radionuclides

Radium-226	0.7 ± 0.1			pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE	
Radium-228	1.4 ± 0.8			pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE	
Total Radium	2.1 ± 0.8			pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE	

PCBs BY GC/ECD

PCB 1016	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1221	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1232	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1242	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1248	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1254	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1260	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	

Surrogate: Tetrachloro-meta-xylene		96.3 %		35-140		4083106	CK	12-Aug-14	8082	
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Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1-Dichloroethene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Methylene chloride*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1-Dichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	

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Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
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CELL G - 1 H402411-01 (Soil)

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

Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8260B

Chloroform*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Carbon tetrachloride*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1,1-Trichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Benzene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,2-Dichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Trichloroethene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Toluene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Tetrachloroethene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1,2-Trichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,2-Dibromoethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Ethylbenzene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
m-p Xylenes*	ND		0.100	mg/kg	50	4080701	MS	07-Aug-14	8260	
o-Xylene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Total Xylenes*	ND		0.150	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1,2,2-Tetrachloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Naphthalene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Surrogate: Dibromofluoromethane			93.3 %	70-130		4080701	MS	07-Aug-14	8260	
Surrogate: Toluene-d8			110 %	70-130		4080701	MS	07-Aug-14	8260	
Surrogate: 4-Bromofluorobenzene			92.8 %	70-130		4080701	MS	07-Aug-14	8260	

Semivolatile Organic Compounds by GCMS

Naphthalene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
2-Methylnaphthalene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
1-Methylnaphthalene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Acenaphthylene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Acenaphthene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Fluorene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Phenanthrene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Anthracene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	

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Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 1
H402411-01 (Soil)

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

Cardinal Laboratories
Semivolatile Organic Compounds by GCMS

Carbazole	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Fluoranthene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Pyrene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Benzo[a]anthracene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Chrysene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Benzo[b]fluoranthene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Benzo[k]fluoranthene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Benzo[a]pyrene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Indeno[1,2,3-cd]pyrene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Dibenz[a,h]anthracene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Benzo[g,h,i]perylene	ND		0.040	mg/kg	40	4080102	CK	19-Aug-14	8270C	
Surrogate: Nitrobenzene-d5			80.0 %	16.1-91.8		4080102	CK	19-Aug-14	8270C	
Surrogate: 2-Fluorobiphenyl			112 %	27.2-92.9		4080102	CK	19-Aug-14	8270C	S-04
Surrogate: Terphenyl-d14			163 %	21.3-96.1		4080102	CK	19-Aug-14	8270C	S-04

Green Analytical Laboratories
General Chemistry

Cyanide, Total	ND		1.00	mg/kg dry	100	B408150	KLJ	18-Aug-14	EPA9012 B	
% Dry Solids	99.5			%	1	B408097	LLG	13-Aug-14	EPA160.3	H2

Soluble (DI Water Extraction)

Fluoride	1.51		0.800	mg/kg dry	4	B408235	ABP	26-Aug-14	4500-F- C	
Nitrate/Nitrite as N	2.49		0.400	mg/kg dry	20	B408161	KLJ	19-Aug-14	EPA353.2	
Nitrite as N	ND		0.200	mg/kg dry	10	B408065	KLJ	08-Aug-14	EPA353.2	

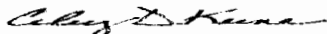
Total Metals by ICP

Barium	17.7		1.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	
Iron	3000		5.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 1
H402411-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	6.30		5.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.608		0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Cadmium	0.141		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Chromium	5.11		1.00	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Copper	0.659		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Lead	2.23		0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Manganese	22.8		0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Selenium	1.18		1.00	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Uranium	0.101		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	

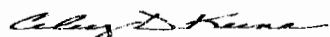
Total Mercury by CVAA

Mercury	ND		0.0995	mg/kg dry	495	B408164	JGS	20-Aug-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 2
H402411-02 (Soil)

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

Chloride	ND		16.0	mg/kg	4	4081401	AP	15-Aug-14	4500-Cl-B	
pH*	7.03		0.100	pH Units	1	4081205	AP	14-Aug-14	9045	
Phenols	ND		2.0	mg/kg dry wt.	1	4083105	CK	19-Aug-14	EPA9065	SUB-AL
Sulfate	ND		40.0	mg/kg	4	4081805	AP	18-Aug-14	375.4	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4080611	CK	18-Aug-14	418.1	
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Radionuclides

Radium-226	0.5 ± 0.1			pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE	
Radium-228	ND		1.1	pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE	
Total Radium	0.5 ± 0.1			pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE	

PCBs BY GC/ECD
SUB-SS

PCB 1016	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1221	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1232	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1242	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1248	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1254	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1260	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
Surrogate: Tetrachloro-meta-xylene			62.9 %	35-140		4083106	CK	12-Aug-14	8082	

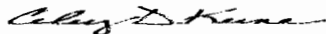
Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1-Dichloroethene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Methylene chloride*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1-Dichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Chloroform*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 2 H402411-02 (Soil)

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

Volatile Organic Compounds by EPA Method 8260B

Carbon tetrachloride*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1,1-Trichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Benzene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,2-Dichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Trichloroethene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Toluene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Tetrachloroethene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1,2-Trichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,2-Dibromoethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Ethylbenzene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
m-p Xylenes*	ND		0.100	mg/kg	50	4080701	MS	07-Aug-14	8260	
o-Xylene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Total Xylenes*	ND		0.150	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1,2,2-Tetrachloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Naphthalene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Surrogate: Dibromofluoromethane			88.6 %		70-130	4080701	MS	07-Aug-14	8260	
Surrogate: Toluene-d8			111 %		70-130	4080701	MS	07-Aug-14	8260	
Surrogate: 4-Bromofluorobenzene			96.9 %		70-130	4080701	MS	07-Aug-14	8260	

Semivolatile Organic Compounds by GCMS

Naphthalene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
2-Methylnaphthalene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
1-Methylnaphthalene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Acenaphthylene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Acenaphthene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Fluorene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Phenanthrene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Anthracene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Carbazole	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 2 H402411-02 (Soil)

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

Semivolatile Organic Compounds by GCMS

Fluoranthene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Pyrene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[a]anthracene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Chrysene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[b]fluoranthene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[k]fluoranthene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[a]pyrene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Indeno[1,2,3-cd]pyrene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Dibenz[a,h]anthracene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[g,h,i]perylene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Surrogate: Nitrobenzene-d5			86.0 %	16.1-91.8		4080102	CK	20-Aug-14	8270C	
Surrogate: 2-Fluorobiphenyl			106 %	27.2-92.9		4080102	CK	20-Aug-14	8270C	S-04
Surrogate: Terphenyl-d14			140 %	21.3-96.1		4080102	CK	20-Aug-14	8270C	S-04

Green Analytical Laboratories

General Chemistry

Cyanide, Total	ND		1.00	mg/kg dry	100	B408150	KLJ	18-Aug-14	EPA9012 B	
% Dry Solids	99.4			%	1	B408097	LLG	13-Aug-14	EPA160.3	H2

Soluble (DI Water Extraction)

Fluoride	1.01		0.800	mg/kg dry	4	B408235	ABP	26-Aug-14	4500-F- C	
Nitrate/Nitrite as N	2.05		0.400	mg/kg dry	20	B408161	KLJ	19-Aug-14	EPA353.2	
Nitrite as N	ND		0.200	mg/kg dry	10	B408065	KLJ	08-Aug-14	EPA353.2	

Total Metals by ICP

Barium	17.1		1.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	
Iron	2600		5.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	
Zinc	6.94		5.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 2
H402411-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICPMS

Arsenic	0.692		0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Cadmium	0.163		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Chromium	5.03		1.00	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Copper	0.801		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Lead	3.14		0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Manganese	31.6		0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Selenium	2.28		1.00	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Uranium	ND		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	


Total Mercury by CVAA

Mercury	ND		0.0966	mg/kg dry	480	B408164	JGS	20-Aug-14	EPA7471	
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Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 3
H402411-03 (Soil)

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

Chloride	ND	16.0	mg/kg	4	4081401	AP	15-Aug-14	4500-Cl-B		
pH*	7.53	0.100	pH Units	1	4081205	AP	14-Aug-14	9045		
Phenols	ND	2.0	mg/kg dry wt.	1	4083105	CK	19-Aug-14	EPA9065		SUB-AL
Sulfate	ND	40.0	mg/kg	4	4081805	AP	18-Aug-14	375.4		

Organic Compounds

TPH 418.1	ND	100	mg/kg	10	4080611	CK	18-Aug-14	418.1		
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Radionuclides

Radium-226	0.6 ± 0.1		pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE		
Radium-228	ND	1.1	pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE		
Total Radium	0.6 ± 0.1		pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE		

PCBs BY GC/ECD
SUB-SS

PCB 1016	ND	10.0	ug/kg	1	4083106	CK	12-Aug-14	8082		
PCB 1221	ND	10.0	ug/kg	1	4083106	CK	12-Aug-14	8082		
PCB 1232	ND	10.0	ug/kg	1	4083106	CK	12-Aug-14	8082		
PCB 1242	ND	10.0	ug/kg	1	4083106	CK	12-Aug-14	8082		
PCB 1248	ND	10.0	ug/kg	1	4083106	CK	12-Aug-14	8082		
PCB 1254	ND	10.0	ug/kg	1	4083106	CK	12-Aug-14	8082		
PCB 1260	ND	10.0	ug/kg	1	4083106	CK	12-Aug-14	8082		
Surrogate: Tetrachloro-meta-xylene		80.6 %	35-140		4083106	CK	12-Aug-14	8082		

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260		
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260		
Methylene chloride*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260		
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260		
Chloroform*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260		

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601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 3
H402411-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8260B

Carbon tetrachloride*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
Benzene*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
Trichloroethene*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
Toluene*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
Tetrachloroethene*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
1,1,2-Trichloroethane*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
Ethylbenzene*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
m-p Xylenes*	ND	0.100	mg/kg	50	4080701	MS	07-Aug-14	8260
o-Xylene*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
Total Xylenes*	ND	0.150	mg/kg	50	4080701	MS	07-Aug-14	8260
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260
Naphthalene*	ND	0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260

Surrogate: Dibromofluoromethane	89.6 %	70-130	4080701	MS	07-Aug-14	8260
Surrogate: Toluene-d8	112 %	70-130	4080701	MS	07-Aug-14	8260
Surrogate: 4-Bromofluorobenzene	94.3 %	70-130	4080701	MS	07-Aug-14	8260


Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C
2-Methylnaphthalene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C
1-Methylnaphthalene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C
Acenaphthylene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C
Acenaphthene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C
Fluorene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C
Phenanthrene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C
Anthracene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C
Carbazole	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 3
H402411-03 (Soil)

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

Fluoranthene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Pyrene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Chrysene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[b]fluoranthene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Surrogate: Nitrobenzene-d5		83.1 %	16.1-91.8		4080102	CK	20-Aug-14	8270C	
Surrogate: 2-Fluorobiphenyl		106 %	27.2-92.9		4080102	CK	20-Aug-14	8270C	S-04
Surrogate: Terphenyl-d14		148 %	21.3-96.1		4080102	CK	20-Aug-14	8270C	S-04

Green Analytical Laboratories
General Chemistry

Cyanide, Total	ND	1.00	mg/kg dry	100	B408150	KLJ	18-Aug-14	EPA9012 B	
% Dry Solids	96.7		%	1	B408097	LLG	13-Aug-14	EPA160.3	H2

Soluble (DI Water Extraction)

Fluoride	1.17	0.800	mg/kg dry	4	B408235	ABP	26-Aug-14	4500-F- C	
Nitrate/Nitrite as N	8.21	0.400	mg/kg dry	20	B408161	KLJ	19-Aug-14	EPA353.2	
Nitrite as N	ND	0.200	mg/kg dry	10	B408065	KLJ	08-Aug-14	EPA353.2	

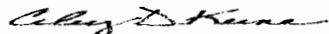
Total Metals by ICP

Barium	80.5	1.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	
Iron	7730	5.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	
Zinc	27.1	5.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 3 H402411-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories

Total Metals by ICPMS

Arsenic	2.32		0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Cadmium	0.464		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Chromium	9.54		1.00	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Copper	5.26		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Lead	6.50		0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Manganese	124		0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Selenium	2.58		1.00	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	
Uranium	0.275		0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A	

Total Mercury by CVAA

Mercury	ND		0.101	mg/kg dry	490	B408164	JGS	20-Aug-14	EPA7471	
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Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 4 H402411-04 (Soil)

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

Inorganic Compounds

Chloride	ND		16.0	mg/kg	4	4081401	AP	15-Aug-14	4500-Cl-B	
pH*	7.83		0.100	pH Units	1	4081205	AP	14-Aug-14	9045	
Phenols	ND		2.1	mg/kg dry wt.	1	4083105	CK	19-Aug-14	EPA9065	SUB-AL
Sulfate	65.7		40.0	mg/kg	4	4081805	AP	18-Aug-14	375.4	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4080611	CK	18-Aug-14	418.1	
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Radionuclides

Radium-226	ND		0.30	pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE	
Radium-228	ND		1.0	pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE	
Total Radium	ND		1.0	pCi/gram	1	4083103	CK	28-Aug-14	GammaRay HPGE	

PCBs BY GC/ECD

SUB-SS

PCB 1016	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1221	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1232	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1242	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1248	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1254	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
PCB 1260	ND		10.0	ug/kg	1	4083106	CK	12-Aug-14	8082	
Surrogate: Tetrachloro-meta-xylene			60.7 %	35-140		4083106	CK	12-Aug-14	8082	

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1-Dichloroethene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Methylene chloride*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1-Dichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Chloroform*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	

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Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 4 H402411-04 (Soil)

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

Volatile Organic Compounds by EPA Method 8260B

Carbon tetrachloride*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1,1-Trichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Benzene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,2-Dichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Trichloroethene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Toluene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Tetrachloroethene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1,2-Trichloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,2-Dibromoethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Ethylbenzene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
m-p Xylenes*	ND		0.100	mg/kg	50	4080701	MS	07-Aug-14	8260	
o-Xylene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Total Xylenes*	ND		0.150	mg/kg	50	4080701	MS	07-Aug-14	8260	
1,1,2,2-Tetrachloroethane*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Naphthalene*	ND		0.0500	mg/kg	50	4080701	MS	07-Aug-14	8260	
Surrogate: Dibromofluoromethane			88.5 %		70-130	4080701	MS	07-Aug-14	8260	
Surrogate: Toluene-d8			112 %		70-130	4080701	MS	07-Aug-14	8260	
Surrogate: 4-Bromofluorobenzene			97.0 %		70-130	4080701	MS	07-Aug-14	8260	

Semivolatile Organic Compounds by GCMS

Naphthalene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
2-Methylnaphthalene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
1-Methylnaphthalene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Acenaphthylene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Acenaphthene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Fluorene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Phenanthrene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Anthracene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Carbazole	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 4 H402411-04 (Soil)

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

Semivolatile Organic Compounds by GCMS

Fluoranthene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Pyrene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[a]anthracene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Chrysene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[b]fluoranthene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[k]fluoranthene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[a]pyrene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Indeno[1,2,3-cd]pyrene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Dibenz[a,h]anthracene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Benzo[g,h,i]perylene	ND		0.040	mg/kg	40	4080102	CK	20-Aug-14	8270C	
Surrogate: Nitrobenzene-d5			81.2 %		16.1-91.8	4080102	CK	20-Aug-14	8270C	
Surrogate: 2-Fluorobiphenyl			99.0 %		27.2-92.9	4080102	CK	20-Aug-14	8270C	S-04
Surrogate: Terphenyl-d14			130 %		21.3-96.1	4080102	CK	20-Aug-14	8270C	S-04

Green Analytical Laboratories

General Chemistry

Cyanide, Total	ND		1.00	mg/kg dry	100	B408150	KLJ	18-Aug-14	EPA9012 B	
% Dry Solids	99.3			%	1	B408097	LLG	13-Aug-14	EPA160.3	H2

Soluble (DI Water Extraction)

Fluoride	1.14		0.800	mg/kg dry	4	B408235	ABP	26-Aug-14	4500-F- C	
Nitrate/Nitrite as N	2.48		0.400	mg/kg dry	20	B408161	KLJ	19-Aug-14	EPA353.2	
Nitrite as N	ND		0.200	mg/kg dry	10	B408065	KLJ	08-Aug-14	EPA353.2	

Total Metals by ICP

Barium	16.8		1.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	
Iron	2510		5.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	
Zinc	6.96		5.00	mg/kg dry	100	B408112	JGS	20-Aug-14	EPA6010 B	

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Hobbs NM, 88242

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Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

CELL G - 4
H402411-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICPMS

Arsenic	0.675	0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A
Cadmium	0.112	0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A
Chromium	5.48	1.00	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A
Copper	0.758	0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A
Lead	2.07	0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A
Manganese	29.1	0.500	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A
Selenium	2.60	1.00	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A
Silver	ND	0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A
Uranium	ND	0.100	mg/kg dry	1000	B408170	JGS	21-Aug-14	6020 A


Total Mercury by CVAA

Mercury	ND	0.0966	mg/kg dry	480	B408164	JGS	20-Aug-14	EPA7471
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Project Number: C & C LANDFARM
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Reported:
04-Sep-14 10:06

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 4081204 - NO PREP

LCS (4081204-BS1)

Prepared & Analyzed: 12-Aug-14

pH 7.09 pH Units 7.00 101 90-110

Duplicate (4081204-DUP1)

Source: H402388-05

Prepared & Analyzed: 12-Aug-14

pH 8.12 0.100 pH Units 8.08 0.494 20

Batch 4081205 - NO PREP

LCS (4081205-BS1)

Prepared: 12-Aug-14 Analyzed: 14-Aug-14

pH 7.13 pH Units 7.00 102 90-110

Duplicate (4081205-DUP1)

Source: H402411-02

Prepared: 12-Aug-14 Analyzed: 14-Aug-14

pH 7.05 0.100 pH Units 7.03 0.284 20

Batch 4081401 - 1:4 DI Water

Blank (4081401-BLK1)

Prepared & Analyzed: 14-Aug-14

Chloride ND 16.0 mg/kg

LCS (4081401-BS1)

Prepared & Analyzed: 14-Aug-14

Chloride 416 16.0 mg/kg 400 104 80-120

LCS Dup (4081401-BSD1)

Prepared & Analyzed: 14-Aug-14

Chloride 400 16.0 mg/kg 400 100 80-120 3.92 20

Batch 4081805 - General Prep - Wet Chem

Blank (4081805-BLK1)

Prepared & Analyzed: 18-Aug-14

Sulfate ND 10.0 mg/kg

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 04-Sep-14 10:06

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 4081805 - General Prep - Wet Chem

Matrix Spike (4081805-MS1)	Source: H402411-01		Prepared & Analyzed: 18-Aug-14							
Sulfate	138	100	mg/kg	20.0	28.9	546	70-130			

Batch 4083105 - General Prep

Blank (4083105-BLK1)	Prepared: 15-Aug-14 Analyzed: 19-Aug-14									
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Phenols	ND	0.5	mg/kg dry wt.							
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LCS (4083105-BS1)	Prepared: 15-Aug-14 Analyzed: 19-Aug-14									
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Phenols	0.4		mg/kg	0.400		90.2	70-130			
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Matrix Spike (4083105-MS1)	Source: H402388-01		Prepared: 15-Aug-14 Analyzed: 19-Aug-14							
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Phenols	19.7		mg/kg	20.3	0.0	97.0	70-130			
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Matrix Spike Dup (4083105-MSD1)	Source: H402388-01		Prepared: 15-Aug-14 Analyzed: 19-Aug-14							
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Phenols	19.1		mg/kg	20.3	0.0	94.1	70-130	3.09	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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 04-Sep-14 10:06

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 4080611 - Solvent Extraction
Blank (4080611-BLK1)

Prepared & Analyzed: 18-Aug-14

TPH 418.1 ND 100 mg/kg

LCS (4080611-BS1)

Prepared & Analyzed: 18-Aug-14

TPH 418.1 5340 100 mg/kg 5000 107 80-120

LCS Dup (4080611-BSD1)

Prepared & Analyzed: 18-Aug-14

TPH 418.1 5230 100 mg/kg 5000 105 80-120 2.06 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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

PCBs BY GC/ECD - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4083106 - General Prep
Blank (4083106-BLK1)

Prepared: 07-Aug-14 Analyzed: 12-Aug-14

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							

Surrogate: Tetrachloro-meta-xylene 12.9 ug/L 10.0 129 35-140

LCS (4083106-BS1)

Prepared: 07-Aug-14 Analyzed: 12-Aug-14

PCB 1016	59.2		ug/L	100		59.2	40-130			
PCB 1260	91.2		ug/L	100		91.2	40-130			

Surrogate: Tetrachloro-meta-xylene 5.24 ug/L 10.0 52.4 35-140

Matrix Spike (4083106-MS1)

Source: H402411-01

Prepared: 07-Aug-14 Analyzed: 12-Aug-14

PCB 1016	65.2		ug/L	100	ND	65.2	40-130			
PCB 1260	129		ug/L	100	ND	129	40-130			

Surrogate: Tetrachloro-meta-xylene 4.36 ug/L 10.0 43.6 35-140

Matrix Spike Dup (4083106-MSD1)

Source: H402411-01

Prepared: 07-Aug-14 Analyzed: 12-Aug-14

PCB 1016	57.1		ug/L	100	ND	57.1	40-130	13.2	30	
PCB 1260	129		ug/L	100	ND	129	40-130	0.00	30	

Surrogate: Tetrachloro-meta-xylene 3.95 ug/L 10.0 39.5 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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

Volatile Organic Compounds by EPA Method 8260B - 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 4080701 - Volatiles

Blank (4080701-BLK1)

Prepared & Analyzed: 07-Aug-14

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	0.434		mg/kg	0.500		86.9	70-130			
Surrogate: Toluene-d8	0.556		mg/kg	0.500		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.475		mg/kg	0.500		95.1	70-130			

LCS (4080701-BS1)

Prepared & Analyzed: 07-Aug-14

Vinyl chloride	1.24	0.0500	mg/kg				70-130			
1,1-Dichloroethene	1.70	0.0500	mg/kg	2.00		85.0	70-130			
Methylene chloride	1.28	0.0500	mg/kg	2.00		64.0	70-130			BS2
1,1-Dichloroethane	1.47	0.0500	mg/kg	2.00		73.5	70-130			
Chloroform	1.42	0.0500	mg/kg	2.00		70.8	70-130			
Carbon tetrachloride	1.68	0.0500	mg/kg	2.00		84.2	70-130			
1,1,1-Trichloroethane	1.55	0.0500	mg/kg	2.00		77.3	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

Volatile Organic Compounds by EPA Method 8260B - 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 4080701 - Volatiles
LCS (4080701-BS1)

Prepared & Analyzed: 07-Aug-14

Benzene	1.56	0.0500	mg/kg	2.00		77.8	70-130			BS2
1,2-Dichloroethane	1.22	0.0500	mg/kg	2.00		60.9	70-130			
Trichloroethene	1.55	0.0500	mg/kg	2.00		77.6	70-130			
Toluene	1.70	0.0500	mg/kg	2.00		84.9	70-130			
Tetrachloroethene	2.26	0.0500	mg/kg	2.00		113	70-130			
1,1,2-Trichloroethane	1.74	0.0500	mg/kg	2.00		86.8	70-130			
1,2-Dibromoethane	1.81	0.0500	mg/kg	2.00		90.7	70-130			
Ethylbenzene	1.66	0.0500	mg/kg	2.00		82.8	70-130			
m-p Xylenes	3.81	0.100	mg/kg				70-130			
o-Xylene	1.81	0.0500	mg/kg	2.00		90.4	70-130			
Total Xylenes	5.62	0.150	mg/kg	6.00		93.7	70-130			
1,1,2,2-Tetrachloroethane	1.76	0.0500	mg/kg	2.00		87.9	70-130			
Naphthalene	1.82	0.0500	mg/kg	2.00		91.0	70-130			
Surrogate: Dibromofluoromethane	0.454		mg/kg	0.500		90.8	70-130			
Surrogate: Toluene-d8	0.531		mg/kg	0.500		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.496		mg/kg	0.500		99.1	70-130			

LCS Dup (4080701-BSD1)

Prepared & Analyzed: 07-Aug-14

Vinyl chloride	1.32	0.0500	mg/kg				70-130	5.87	20	
1,1-Dichloroethene	1.87	0.0500	mg/kg	2.00		93.5	70-130	9.55	20	
Methylene chloride	1.41	0.0500	mg/kg	2.00		70.3	70-130	9.34	20	
1,1-Dichloroethane	1.65	0.0500	mg/kg	2.00		82.4	70-130	11.3	20	
Chloroform	1.58	0.0500	mg/kg	2.00		79.1	70-130	11.0	20	
Carbon tetrachloride	1.87	0.0500	mg/kg	2.00		93.3	70-130	10.2	20	
1,1,1-Trichloroethane	1.69	0.0500	mg/kg	2.00		84.4	70-130	8.76	20	
Benzene	1.72	0.0500	mg/kg	2.00		86.1	70-130	10.2	20	
1,2-Dichloroethane	1.36	0.0500	mg/kg	2.00		67.8	70-130	10.7	20	BS2
Trichloroethene	1.74	0.0500	mg/kg	2.00		86.9	70-130	11.3	20	
Toluene	1.88	0.0500	mg/kg	2.00		94.2	70-130	10.4	20	
Tetrachloroethene	2.75	0.0500	mg/kg	2.00		137	70-130	19.4	20	BS1
1,1,2-Trichloroethane	1.95	0.0500	mg/kg	2.00		97.4	70-130	11.5	20	
1,2-Dibromoethane	2.00	0.0500	mg/kg	2.00		99.8	70-130	9.57	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

Volatile Organic Compounds by EPA Method 8260B - 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 4080701 - Volatiles
LCS Dup (4080701-BSD1)

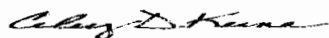
Prepared & Analyzed: 07-Aug-14

Ethylbenzene	1.84	0.0500	mg/kg	2.00		92.2	70-130	10.7	20	
m-p Xylenes	4.28	0.100	mg/kg				70-130	11.5	20	
o-Xylene	2.05	0.0500	mg/kg	2.00		103	70-130	12.6	20	
Total Xylenes	6.33	0.150	mg/kg	6.00		105	70-130	11.9	20	
1,1,2,2-Tetrachloroethane	1.85	0.0500	mg/kg	2.00		92.4	70-130	4.94	20	
Naphthalene	1.96	0.0500	mg/kg	2.00		97.8	70-130	7.18	20	
Surrogate: Dibromofluoromethane	0.456		mg/kg	0.500		91.3	70-130			
Surrogate: Toluene-d8	0.535		mg/kg	0.500		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.509		mg/kg	0.500		102	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

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 4080102 - SW846-3510
Blank (4080102-BLK1)

Prepared: 01-Aug-14 Analyzed: 05-Aug-14

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	1.72		mg/kg	2.00		85.9	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	1.78		mg/kg	2.00		89.2	27.2-92.9			
Surrogate: Terphenyl-d4	2.09		mg/kg	2.00		105	21.3-96.1			

LCS (4080102-BS1)

Prepared: 01-Aug-14 Analyzed: 05-Aug-14

Naphthalene	0.419	0.040	mg/kg	0.400		105	5.46-157			
2-Methylnaphthalene	0.459	0.040	mg/kg	0.400		115	16.1-146			
Acenaphthylene	0.421	0.040	mg/kg	0.400		105	21.6-144			
Acenaphthene	0.426	0.040	mg/kg	0.400		107	27-143			
Fluorene	0.438	0.040	mg/kg	0.400		109	30.9-138			
Phenanthrene	0.440	0.040	mg/kg	0.400		110	38.6-149			
Anthracene	0.403	0.040	mg/kg	0.400		101	36.1-149			
Carbazole	0.439	0.040	mg/kg	0.400		110	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

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 4080102 - SW846-3510

LCS (4080102-BS1)

Prepared: 01-Aug-14 Analyzed: 05-Aug-14

Fluoranthene	0.425	0.040	mg/kg	0.400		106	34.6-148			
Pyrene	0.436	0.040	mg/kg	0.400		109	24.8-154			
Benzo[a]anthracene	0.438	0.040	mg/kg	0.400		110	0-179			
Chrysene	0.422	0.040	mg/kg	0.400		106	35.1-150			
Benzo[b]fluoranthene	0.393	0.040	mg/kg	0.400		98.2	17.6-158			
Benzo[k]fluoranthene	0.470	0.040	mg/kg	0.400		117	10.6-169			
Benzo[a]pyrene	0.436	0.040	mg/kg	0.400		109	2.25-166			
Indeno[1,2,3-cd]pyrene	0.397	0.040	mg/kg	0.400		99.3	0-181			
Dibenz[a,h]anthracene	0.427	0.040	mg/kg	0.400		107	2.49-177			
Benzo[g,h,i]perylene	0.467	0.040	mg/kg	0.400		117	0-173			
Surrogate: Nitrobenzene-d5	1.84		mg/kg	2.00		91.8	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	1.80		mg/kg	2.00		89.9	27.2-92.9			
Surrogate: Terphenyl-d14	2.09		mg/kg	2.00		104	21.3-96.1			

LCS Dup (4080102-BSD1)

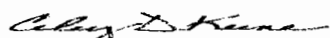
Prepared: 01-Aug-14 Analyzed: 05-Aug-14

Naphthalene	0.412	0.040	mg/kg	0.400		103	5.46-157	1.63	6.7	
2-Methylnaphthalene	0.448	0.040	mg/kg	0.400		112	16.1-146	2.36	8.99	
Acenaphthylene	0.410	0.040	mg/kg	0.400		103	21.6-144	2.61	14.6	
Acenaphthene	0.421	0.040	mg/kg	0.400		105	27-143	1.34	6.99	
Fluorene	0.427	0.040	mg/kg	0.400		107	30.9-138	2.46	13.9	
Phenanthrene	0.414	0.040	mg/kg	0.400		103	38.6-149	6.14	14.6	
Anthracene	0.421	0.040	mg/kg	0.400		105	36.1-149	4.39	18.5	
Carbazole	0.436	0.040	mg/kg	0.400		109	29.8-144	0.743	23.4	
Fluoranthene	0.421	0.040	mg/kg	0.400		105	34.6-148	0.931	19.7	
Pyrene	0.434	0.040	mg/kg	0.400		108	24.8-154	0.488	23	
Benzo[a]anthracene	0.441	0.040	mg/kg	0.400		110	0-179	0.564	32.5	
Chrysene	0.427	0.040	mg/kg	0.400		107	35.1-150	1.17	19.4	
Benzo[b]fluoranthene	0.430	0.040	mg/kg	0.400		107	17.6-158	9.04	31.4	
Benzo[k]fluoranthene	0.412	0.040	mg/kg	0.400		103	10.6-169	13.2	44.6	
Benzo[a]pyrene	0.432	0.040	mg/kg	0.400		108	2.25-166	0.895	60.5	
Indeno[1,2,3-cd]pyrene	0.403	0.040	mg/kg	0.400		101	0-181	1.41	77	
Dibenz[a,h]anthracene	0.430	0.040	mg/kg	0.400		108	2.49-177	0.849	63.3	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
04-Sep-14 10:06**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 4080102 - SW846-3510**LCS Dup (4080102-BSD1)**

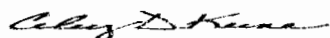
Prepared: 01-Aug-14 Analyzed: 05-Aug-14

Benzo[g,h,i]perylene	0.469	0.040	mg/kg	0.400		117	0-173	0.288	77.4	
Surrogate: Nitrobenzene-d5	1.75		mg/kg	2.00		87.7	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	1.79		mg/kg	2.00		89.6	27.2-92.9			
Surrogate: Terphenyl-d4	2.09		mg/kg	2.00		105	21.3-96.1			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 04-Sep-14 10:06

General Chemistry - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B408150 - General Prep - Wet Chem
Blank (B408150-BLK1)

Prepared & Analyzed: 18-Aug-14

Cyanide, Total ND 0.0100 mg/kg wet

LCS (B408150-BS1)

Prepared & Analyzed: 18-Aug-14

Cyanide, Total 0.0416 0.0100 mg/kg wet 0.0500 83.2 80-120

LCS Dup (B408150-BSD1)

Prepared & Analyzed: 18-Aug-14

Cyanide, Total 0.0460 0.0100 mg/kg wet 0.0500 92.0 80-120 10.0 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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

Soluble (DI Water Extraction) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B408065 - General Prep - Wet Chem										
Blank (B408065-BLK1)				Prepared & Analyzed: 08-Aug-14						
Nitrite as N	ND	0.200	mg/kg wet							
LCS (B408065-BS1)				Prepared & Analyzed: 08-Aug-14						
Nitrite as N	0.101	0.020	mg/kg wet	0.100		101	80-120			
LCS Dup (B408065-BSD1)				Prepared & Analyzed: 08-Aug-14						
Nitrite as N	0.100	0.020	mg/kg wet	0.100		100	80-120	0.995	20	
Batch B408161 - General Prep - Wet Chem										
Blank (B408161-BLK1)				Prepared & Analyzed: 19-Aug-14						
Nitrate/Nitrite as N	ND	0.020	mg/kg wet							
LCS (B408161-BS1)				Prepared & Analyzed: 19-Aug-14						
Nitrate/Nitrite as N	1.08	0.020	mg/kg wet	1.00		108	80-120			
LCS Dup (B408161-BSD1)				Prepared & Analyzed: 19-Aug-14						
Nitrate/Nitrite as N	1.08	0.020	mg/kg wet	1.00		108	80-120	0.00	20	
Batch B408235 - General Prep - Wet Chem										
Blank (B408235-BLK1)				Prepared & Analyzed: 26-Aug-14						
Fluoride	ND	0.200	mg/kg wet							
LCS (B408235-BS1)				Prepared & Analyzed: 26-Aug-14						
Fluoride	1.06	0.200	mg/kg wet	1.00		106	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

Soluble (DI Water Extraction) - Quality Control**Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B408235 - General Prep - Wet Chem**LCS Dup (B408235-BSD1)**

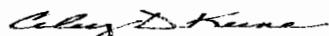
Prepared & Analyzed: 26-Aug-14

Fluoride	1.06	0.200	mg/kg wet	1.00		106	85-115	0.189	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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 04-Sep-14 10:06

Total Metals by ICP - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B408112 - EPA 3050
Blank (B408112-BLK1)

Prepared: 13-Aug-14 Analyzed: 20-Aug-14

Iron	ND	0.050	mg/kg dry							
Zinc	ND	0.050	mg/kg dry							
Barium	ND	0.010	mg/kg dry							

LCS (B408112-BS1)

Prepared: 13-Aug-14 Analyzed: 20-Aug-14

Iron	3.70	0.050	mg/kg dry	4.00		92.5	85-115			
Barium	1.81	0.010	mg/kg dry	2.00		90.6	85-115			
Zinc	1.82	0.050	mg/kg dry	2.00		90.9	85-115			

LCS Dup (B408112-BSD1)


Prepared: 13-Aug-14 Analyzed: 20-Aug-14

Barium	1.76	0.010	mg/kg dry	2.00		88.2	85-115	2.73	20	
Zinc	1.76	0.050	mg/kg dry	2.00		88.1	85-115	3.13	20	
Iron	3.61	0.050	mg/kg dry	4.00		90.3	85-115	2.36	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
04-Sep-14 10:06

Total Metals by ICPMS - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B408170 - EPA 3050M
Blank (B408170-BLK1)

Prepared & Analyzed: 21-Aug-14

Silver	ND	0.0001	mg/kg dry							
Cadmium	ND	0.0001	mg/kg dry							
Lead	0.0008	0.0005	mg/kg dry							B1
Uranium	ND	0.0001	mg/kg dry							
Selenium	ND	0.0010	mg/kg dry							
Manganese	0.0016	0.0005	mg/kg dry							B1
Chromium	ND	0.0010	mg/kg dry							
Copper	0.0004	0.0001	mg/kg dry							M5
Arsenic	ND	0.0005	mg/kg dry							

LCS (B408170-BS1)

Prepared & Analyzed: 21-Aug-14

Copper	0.491	0.0001	mg/kg dry	0.500		98.1	85-115			
Silver	0.473	0.0001	mg/kg dry	0.500		94.7	85-115			
Uranium	0.550	0.0001	mg/kg dry	0.500		110	85-115			
Manganese	0.534	0.0005	mg/kg dry	0.500		107	85-115			
Chromium	0.481	0.0010	mg/kg dry	0.500		96.2	85-115			
Selenium	2.80	0.0010	mg/kg dry	2.50		112	85-115			
Arsenic	0.552	0.0005	mg/kg dry	0.500		110	85-115			
Cadmium	0.533	0.0001	mg/kg dry	0.500		107	85-115			
Lead	0.519	0.0005	mg/kg dry	0.500		104	85-115			

LCS Dup (B408170-BSD1)

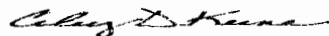
Prepared & Analyzed: 21-Aug-14

Silver	0.453	0.0001	mg/kg dry	0.500		90.6	85-115	4.43	20	
Arsenic	0.513	0.0005	mg/kg dry	0.500		103	85-115	7.30	20	
Copper	0.494	0.0001	mg/kg dry	0.500		98.7	85-115	0.578	20	
Uranium	0.560	0.0001	mg/kg dry	0.500		112	85-115	1.82	20	
Manganese	0.530	0.0005	mg/kg dry	0.500		106	85-115	0.879	20	
Selenium	2.64	0.0010	mg/kg dry	2.50		106	85-115	5.96	20	
Chromium	0.484	0.0010	mg/kg dry	0.500		96.8	85-115	0.608	20	
Cadmium	0.516	0.0001	mg/kg dry	0.500		103	85-115	3.21	20	
Lead	0.509	0.0005	mg/kg dry	0.500		102	85-115	1.88	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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 04-Sep-14 10:06

Total Mercury by CVAA - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B408164 - EPA 7471										
Blank (B408164-BLK1)										
Prepared & Analyzed: 20-Aug-14										
Mercury	ND	0.0002	mg/kg wet							
LCS (B408164-BS1)										
Prepared & Analyzed: 20-Aug-14										
Mercury	0.0019	0.0002	mg/kg wet	0.00200		93.6	85-115			
LCS Dup (B408164-BSD1)										
Prepared & Analyzed: 20-Aug-14										
Mercury	0.0019	0.0002	mg/kg wet	0.00200		96.1	85-115	2.69	20	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

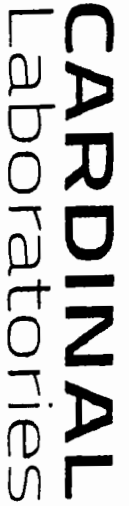
Z-01d	2.1 ± 0.8
Z-01c	1.4 ± 0.8
Z-01b	0.7 ± 0.1
Z-01a	0.6 ± 0.1
Z-01	0.5 ± 0.1
SUB-SS	Analysis subcontracted to SunStar Laboratories, Inc.
SUB-AL	Analysis subcontracted to Anatek Labs, Inc.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
M5	Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.
H2	Sample analysis performed past hold time specified by the method.
BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
B1	Target analyte detected in method blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: <u>CFC Landform</u>		P.O. #:	
Project Manager: <u>Edna Sosa</u>		Company:	
Address: <u>601 W. ILCAVIA</u>		Attn:	
City: <u>Albuquerque</u> State: <u>NM</u> Zip: <u>87102</u>		Address:	
Phone #: <u>505-223-6666</u> Fax #: <u>505-269-4949</u>		City:	
Project #: <u>CFC LF</u> Project Owner: <u>J. Cooper</u>		State:	
Project Name: <u>CFC Landform (01.0012)</u>		Zip:	
Project Location: <u>S. Phunant 3-20-37</u>		Phone #:	
Sample Name: <u>Edna Sosa</u> (44B)		Fax #:	
FOR LAB USE ONLY		PRESERV	
Lab I.D.		Sample I.D.	
		(G) <input checked="" type="checkbox"/> OR (C) <input type="checkbox"/> # CONTAINERS	
		GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER:	
		ACID/BASE:	
		ICE / COOL	
		OTHER:	
		DATE	
		TIME	
		EDC	
		DEE	
		PCE	
		TCE	
		Methylene Chloride	
		Chloroform	
		EDB	
		Trichloroethane	
		Tetrachloroethane	
		Vinyl Chloride	
		Polycyclic Aromatic Hydro.	

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Relinquished By: Edna Sosa Date: 8/16 Time: 10:15 Received By: _____

Delivered By: (Circle One) ☐ UPS ☐ Bus ☐ Other: _____ Sample Condition: ☐ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No

Checked By: (Initials) _____

REMARKS: 44B 20.6. 2313
6010 B or 6020



(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

W
L
W

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July 2014

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2014 JUN -6 P 3: 08

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

RE: C & C Landfarm (NM-01-0012)
Bi-Annual Test
Final 5 yr. Test

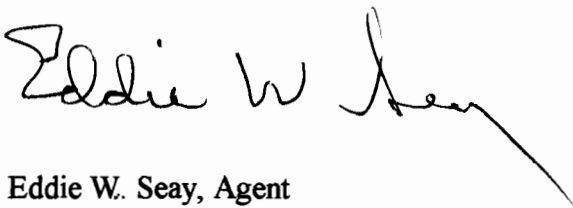
Mr. Jones:

Find enclosed the b-annual treatment zone, vadose zone and final 5 yr. test of the remaining cells at C & C Landfarm.

In comparing the analytical to the background and the lab PQL, I have found that the test for cell G has slightly elevated TPH. As per E-5 of the rules, I am proceeding with the sampling of the constituents listed in subsection A and B of 20.6.2.3103 NMAC. When the analytical has been received, it will be submitted to the OCD with a plan of action.

If you have any questions or need anything further, please let me know.

Thanks,



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

cc: C & C Landfarm (J. Cooper)

June 20, 2014

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: C & C LANDFARM - TREATMENT ZONE

Enclosed are the results of analyses for samples received by the laboratory on 06/13/14 10:05.

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

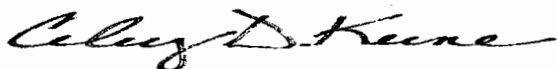
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/13/2014
 Reported: 06/20/2014
 Project Name: C & C LANDFARM - TREATMENT ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 06/12/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A - T (H401807-01)

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	06/18/2014	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/19/2014	ND	174	87.0	200	4.35	
DRO >C10-C28	818	50.0	06/19/2014	ND	195	97.5	200	4.36	

Surrogate: 1-Chlorooctane 83.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

Sample ID: CELL B - T (H401807-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/18/2014	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35	
DRO >C10-C28	647	10.0	06/19/2014	ND	195	97.5	200	4.36	

Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2014
Reported: 06/20/2014
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 06/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL C - T (H401807-03)

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	06/18/2014	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35	
DRO >C10-C28	17.2	10.0	06/19/2014	ND	195	97.5	200	4.36	
Surrogate: 1-Chlorooctane	75.1 %	65.2-140							
Surrogate: 1-Chlorooctadecane	76.6 %	63.6-154							

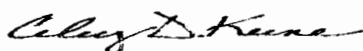
Sample ID: CELL D - T (H401807-04)

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	06/18/2014	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35	
DRO >C10-C28	115	10.0	06/19/2014	ND	195	97.5	200	4.36	
Surrogate: 1-Chlorooctane	77.7 %	65.2-140							
Surrogate: 1-Chlorooctadecane	80.5 %	63.6-154							

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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:	06/13/2014	Sampling Date:	06/12/2014
Reported:	06/20/2014	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL E - T (H401807-05)

Chloride, SM4500C1-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	06/18/2014	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35	
DRO >C10-C28	<10.0	10.0	06/19/2014	ND	195	97.5	200	4.36	
<hr/>									
Surrogate: 1-Chlorooctane	70.6 %	65.2-140							
Surrogate: 1-Chlorooctadecane	70.6 %	63.6-154							

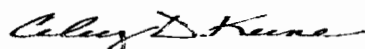
Sample ID: CELL F - T (H401807-06)

Chloride, SM4500C1-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	06/18/2014	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35	
DRO >C10-C28	121	10.0	06/19/2014	ND	195	97.5	200	4.36	
<hr/>									
Surrogate: 1-Chlorooctane	71.0 %	65.2-140							
Surrogate: 1-Chlorooctadecane	75.1 %	63.6-154							

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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:	06/13/2014	Sampling Date:	06/12/2014
Reported:	06/20/2014	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL G - T (H401807-07)

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	06/18/2014	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35	
DRO >C10-C28	<10.0	10.0	06/19/2014	ND	195	97.5	200	4.36	
Surrogate: 1-Chlorooctane	67.7 %	65.2-140							
Surrogate: 1-Chlorooctadecane	71.4 %	63.6-154							

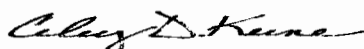
Sample ID: CELL H - T (H401807-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/18/2014	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35	
DRO >C10-C28	<10.0	10.0	06/19/2014	ND	195	97.5	200	4.36	
Surrogate: 1-Chlorooctane	66.3 %	65.2-140							
Surrogate: 1-Chlorooctadecane	66.9 %	63.6-154							

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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: 06/13/2014
Reported: 06/20/2014
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 06/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL I - T (H401807-09)

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	06/18/2014	ND	400	100	400	3.92		
TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35		
DRO >C10-C28	<10.0	10.0	06/19/2014	ND	195	97.5	200	4.36		
Surrogate: 1-Chlorooctane	75.9 %	65.2-140								
Surrogate: 1-Chlorooctadecane	75.0 %	63.6-154								

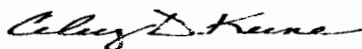
Sample ID: CELL J - T (H401807-10)

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	06/18/2014	ND	400	100	400	3.92		
TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35		
DRO >C10-C28	60.0	10.0	06/19/2014	ND	195	97.5	200	4.36		
Surrogate: 1-Chlorooctane	92.1 %	65.2-140								
Surrogate: 1-Chlorooctadecane	94.9 %	63.6-154								

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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: 06/13/2014
Reported: 06/20/2014
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 06/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL K - T (H401807-11)

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	06/18/2014	ND	400	100	400	3.92		
TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35		
DRO >C10-C28	29.9	10.0	06/19/2014	ND	195	97.5	200	4.36		
Surrogate: 1-Chlorooctane	69.0 %	65.2-140								
Surrogate: 1-Chlorooctadecane	73.4 %	63.6-154								

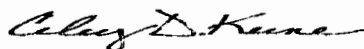
Sample ID: CELL L - T (H401807-12)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/18/2014	ND	400	100	400	7.69		
TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/19/2014	ND	174	87.0	200	4.35		
DRO >C10-C28	<10.0	10.0	06/19/2014	ND	195	97.5	200	4.36		
Surrogate: 1-Chlorooctane	68.8 %	65.2-140								
Surrogate: 1-Chlorooctadecane	65.6 %	63.6-154								

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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: 06/13/2014
Reported: 06/20/2014
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 06/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL M - T (H401807-13)**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	06/18/2014	ND	400	100	400	7.69	

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/19/2014	ND	174	87.0	200	4.35	
DRO >C10-C28	66.2	50.0	06/19/2014	ND	195	97.5	200	4.36	

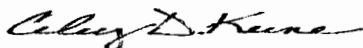
Surrogate: 1-Chlorooctane 92.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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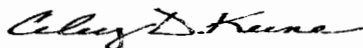
Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

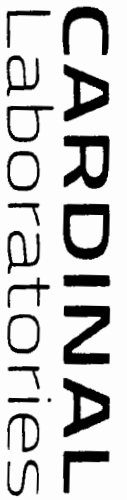
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

227

Company Name: Edwards Consulting		P.O. #:		ANALYSIS REQUEST	
Project Manager: Edwards		Company:			
Address: 601 W 11th St		Attn:			
City: Harris		State: TX			
Phone #: 282-316		Fax #: 282-4949			
Project #: C+C 42		Project Owner: J. Cooper			
Project Name: C+C Leakdown (A00-01-0018)		City:			
Project Location: Unit 8, S13 T20 R37 E		State:			
Sample Name: Field Sample		Phone #:			
FOR LAB USE ONLY		Fax #:			
Lab I.D.	Sample I.D.	MATRIX		PRESERV	
		SAMPLING			
		(G)RAB OR (C)IMP			
		# CONTAINERS			
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE	TIME		
11 C008 K-7		4/12	1:10	TPH (5015)	
12 C008 L-7		4/12	1:35	Chloride (500.1)	
13 C008 M-7		4/12	2:00		

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Relinquished By: **Edwards** Date: **4/13** Received By: **Edwards** Date: **4/13**

Relinquished By: **Edwards** Date: **4/13** Received By: **Edwards** Date: **4/13**

Delivered By: (Circle One) **1.86** Sample Condition: ☒ Cool ☐ Intact ☐ Broken ☐ Other: **CPH**

Sampler - UPS - Bus - Other: **1.86** Checked By: **CPH**

REMARKS: **Bi - Analyzed 2014**

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

July 03, 2014

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: C & C LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 06/27/14 10:35.

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

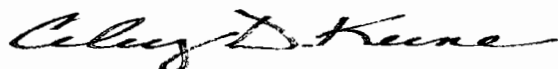
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/27/2014
 Reported: 07/03/2014
 Project Name: C & C LANDFARM
 Project Number: NOT GIVEN
 Project Location: MONUMENT, NM

 Sampling Date: 06/26/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL B - V (H401947-01)

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

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

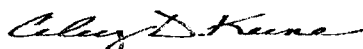
Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	06/30/2014	ND	5250	105	5000	0.266	

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: 06/27/2014
Reported: 07/03/2014
Project Name: C & C LANDFARM
Project Number: NOT GIVEN
Project Location: MONUMENT, NM

Sampling Date: 06/26/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL C - V (H401947-02)**BTEX 8021B****mg/kg****Analyzed By: CK**

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

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2014	ND	400	100	400	0.00	

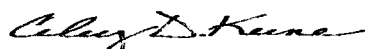
TPH 418.1**mg/kg****Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	06/30/2014	ND	5250	105	5000	0.266	

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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: 06/27/2014
 Reported: 07/03/2014
 Project Name: C & C LANDFARM
 Project Number: NOT GIVEN
 Project Location: MONUMENT, NM

 Sampling Date: 06/26/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL D - V (H401947-03)

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

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 89.4-126

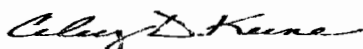
Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	06/30/2014	ND	5250	105	5000	0.266	

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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: 06/27/2014
Reported: 07/03/2014
Project Name: C & C LANDFARM
Project Number: NOT GIVEN
Project Location: MONUMENT, NM

Sampling Date: 06/26/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL E - V (H401947-04)
BTEX 80218
mg/kg
Analyzed By: CK

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

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2014	ND	400	100	400	0.00	

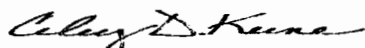
TPH 418.1
mg/kg
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	06/30/2014	ND	5250	105	5000	0.266	

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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: 06/27/2014
Reported: 07/03/2014
Project Name: C & C LANDFARM
Project Number: NOT GIVEN
Project Location: MONUMENT, NM

Sampling Date: 06/26/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL G - V (H401947-05)

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

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

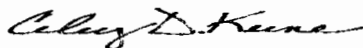
Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	107	100	06/30/2014	ND	5250	105	5000	0.266	

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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: 06/27/2014
 Reported: 07/03/2014
 Project Name: C & C LANDFARM
 Project Number: NOT GIVEN
 Project Location: MONUMENT, NM

 Sampling Date: 06/26/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL H - V (H401947-06)
BTEX 8021B
mg/kg
Analyzed By: CK

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

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2014	ND	400	100	400	0.00	

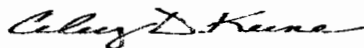
TPH 418.1
mg/kg
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	06/30/2014	ND	5250	105	5000	0.266	

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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: 06/27/2014
Reported: 07/03/2014
Project Name: C & C LANDFARM
Project Number: NOT GIVEN
Project Location: MONUMENT, NM

Sampling Date: 06/26/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL K - V (H401947-07)

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

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

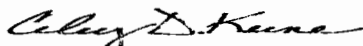
Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 418.1		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	06/30/2014	ND	5250	105	5000	0.266	

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: 06/27/2014
Reported: 07/03/2014
Project Name: C & C LANDFARM
Project Number: NOT GIVEN
Project Location: MONUMENT, NM

Sampling Date: 06/26/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL M - V (H401947-08)

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

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

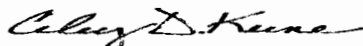
Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2014	ND	400	100	400	0.00	

TPH 418.1		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	06/30/2014	ND	5250	105	5000	0.266	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: C+C Landform		BILL TO	
Project Manager: J. Cooper		P.O. #:	
Address: Box 55		Company: C+C LF	
City: Mowsumt		Attn: E. H. Seng	
State: NM Zip: 88245		Address: 601 W. 11th	
Phone #: 575-369-7108 Fax #: 392-2949		City: Hobbs	
Project #: C+C		State: NM Zip: 88240	
Project Name: C+C LF (0012)		Phone #: 3-2236	
Project Location: SUT 3 T 20 K. 37. Mowsumt		Fax #: 2-6969	
Sample Name: Filling Sand		PRESERV. SAMPLING	
FOR LAB USE ONLY			
Lab I.D.	Sample I.D.	(G)RAB OR (C)ONE	# CONTAINERS
H40947	Cell B-V		
	Cell C-V		
	Cell D-V		
	Cell E-V		
	Cell H-V		
	Cell K-V		
	Cell M-V		
		GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER	
		ACID/BASE	
		ICE / COOL	
		OTHER	
	DATE	TIME	
	4/26 7:40		BTEX (8021 B) 602
	4/26 8:10		TPH (418.1)
	4/26 8:50		Chloride
	4/26 9:35		
	4/26 10:20		
	4/26 11:00		
	4/26 12:00		
	4/26 1:00		
PLEASE NOTE: Liability and damages. Cardinal's liability and clients exclusive remedy for any claim arising from this contract or from results based on this contract shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the work. No service in no event shall Cardinal be liable for incidental or consequential damages, including without limitation business interruptions, loss of use, or loss of profits incurred by client as a result of the analyses. All analyses are subject to the terms and conditions of the Cardinal Laboratory Chain of Custody and Analysis Request form.			
Relinquished By: [Signature] Date: 4/27 Received By: [Signature]			
Time: 10:35 Relinquished By: [Signature] Received By: [Signature]			
Delivered By: (Circle One) Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Damaged CHECKED BY: [Signature]			
Sampler - UPS - Bus - Other: 3.2c <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No REMARKS: E-Mail Seng 04 @ leave. net			

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

July 22, 2014

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: C & C LANDFARM (NM-01-0012) VADOSE ZONE

Enclosed are the results of analyses for samples received by the laboratory on 07/01/14 10:15.

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

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

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

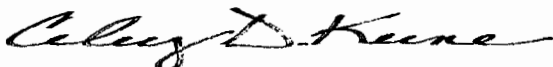
Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

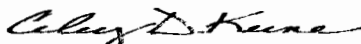
Reported:
22-Jul-14 16:01

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL A-1	H401976-01	Soil	30-Jun-14 06:40	01-Jul-14 10:15
CELL A-2	H401976-02	Soil	30-Jun-14 07:20	01-Jul-14 10:15
CELL A-3	H401976-03	Soil	30-Jun-14 08:00	01-Jul-14 10:15
CELL A-4	H401976-04	Soil	30-Jun-14 08:35	01-Jul-14 10:15
CELL I-1	H401976-05	Soil	30-Jun-14 09:10	01-Jul-14 10:15
CELL I-2	H401976-06	Soil	30-Jun-14 09:45	01-Jul-14 10:15
CELL I-3	H401976-07	Soil	30-Jun-14 10:15	01-Jul-14 10:15
CELL I-4	H401976-08	Soil	30-Jun-14 10:55	01-Jul-14 10:15
CELL F-1	H401976-09	Soil	30-Jun-14 11:40	01-Jul-14 10:15
CELL F-2	H401976-10	Soil	30-Jun-14 12:15	01-Jul-14 10:15
CELL F-3	H401976-11	Soil	30-Jun-14 01:00	01-Jul-14 10:15
CELL F-4	H401976-12	Soil	30-Jun-14 01:35	01-Jul-14 10:15
CELL L-1	H401976-13	Soil	30-Jun-14 03:10	01-Jul-14 10:15
CELL L-2	H401976-14	Soil	30-Jun-14 04:00	01-Jul-14 10:15
CELL L-3	H401976-15	Soil	30-Jun-14 04:40	01-Jul-14 10:15
CELL L-4	H401976-16	Soil	30-Jun-14 05:15	01-Jul-14 10:15

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELLA-1
H401976-01 (Soil)

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

Alkalinity, Bicarbonate	605		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070104	AP	03-Jul-14	4500-Cl-B	
Conductivity	367		0.250	uS/cm	1	4071603	AP	17-Jul-14	120.1	
pH*	7.43		0.100	pH Units	1	4070907	AP	16-Jul-14	9045	
Sulfate	ND		100	mg/kg	10	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	496		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126 4070106 CK 02-Jul-14 8021B

Green Analytical Laboratories
General Chemistry

% Dry Solids	97.6		%	1	B407078	LLG	10-Jul-14	EPA160.3	H2	
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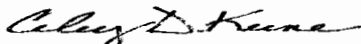
Total Metals by ICP

Calcium	37400		1000	mg/kg dry	1000	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	8480		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	3600		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	2300		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELLA-1
H401976-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Sodium	ND	100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Zinc	33.5	5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

Total Metals by ICPMS

Arsenic	2.36	0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	88.7	0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.449	0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	7.42	1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	5.91	0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	7.36	0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	159	0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND	1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND	0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

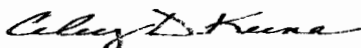
Total Mercury by CVAA

Mercury	ND	0.100	mg/kg dry	490	B407175	JGS	17-Jul-14	EPA7471	V1
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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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELLA-2 H401976-02 (Soil)

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

Inorganic Compounds

Alkalinity, Bicarbonate	547		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070104	AP	03-Jul-14	4500-Cl-B	
Conductivity	310		0.250	uS/cm	1	4071603	AP	17-Jul-14	120.1	
pH*	7.54		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		100	mg/kg	10	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	448		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126 4070106 CK 02-Jul-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	96.4			%	1	B407078	LLG	10-Jul-14	EPA160.3	H2
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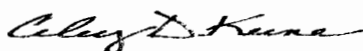
Total Metals by ICP

Calcium	32000		1000	mg/kg dry	1000	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	7570		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	2500		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	1890		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELLA-2
H401976-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	27.8		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	2.48		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	82.7		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.442		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	6.78		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	5.38		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	5.74		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	122		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	0.204		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

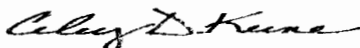
Total Mercury by CVAA

Mercury	ND		0.105	mg/kg dry	505	B407175	JGS	17-Jul-14	EPA7471	V1
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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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELLA-3
H401976-03 (Soil)

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

Alkalinity, Bicarbonate	547		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070104	AP	03-Jul-14	4500-Cl-B	
Conductivity	325		0.250	uS/cm	1	4071603	AP	17-Jul-14	120.1	
pH*	7.48		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		100	mg/kg	10	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	448		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	89.4-126	4070106	CK	02-Jul-14	8021B
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Green Analytical Laboratories
General Chemistry

% Dry Solids	99.0		%	1	B407078	LLG	10-Jul-14	EPA160.3	H2
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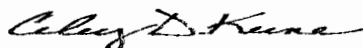
Total Metals by ICP

Calcium	35100		1000	mg/kg dry	1000	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	8230		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	3220		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	2190		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL A-3
H401976-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	30.6		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	2.31		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	88.1		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.446		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	6.53		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	5.70		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	6.72		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	143		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

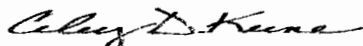
Total Mercury by CVAA

Mercury	ND		0.0970	mg/kg dry	480	B407175	JGS	17-Jul-14	EPA7471	V1
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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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELLA-4
H401976-04 (Soil)

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

Alkalinity, Bicarbonate	410		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070104	AP	03-Jul-14	4500-Cl-B	
Conductivity*	339		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.60		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	336		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		89.4-126	4070106	CK	02-Jul-14	8021B	
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Green Analytical Laboratories
General Chemistry

% Dry Solids	97.7			%	1	B407078	LLG	10-Jul-14	EPA160.3	H2
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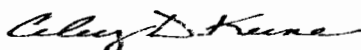
Total Metals by ICP

Calcium	17900		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	7490		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	2790		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	1970		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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: C & C LANDFARM (NM-01-0012) V1
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL A-4
H401976-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	26.1		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	1.98		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	65.0		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.351		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	5.88		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	4.73		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	5.37		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	120		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

Total Mercury by CVAA

Mercury	ND		0.0992	mg/kg dry	485	B407175	JGS	17-Jul-14	EPA7471	V1
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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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL I-1
H401976-05 (Soil)

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

Alkalinity, Bicarbonate	195		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070104	AP	03-Jul-14	4500-Cl-B	
Conductivity*	180		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.91		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	160		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		101 %	89.4-126	4070106	CK	02-Jul-14	8021B
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Green Analytical Laboratories
General Chemistry

% Dry Solids	92.5		%	1	B407078	LLG	10-Jul-14	EPA160.3	H2
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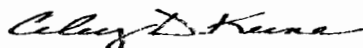
Total Metals by ICP

Calcium	2650		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	3170		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	488		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	516		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL I-1
H401976-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	7.75		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.838		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	17.0		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.105		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	3.52		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	1.12		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	2.31		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	23.5		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

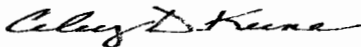
Total Mercury by CVAA

Mercury	ND		0.105	mg/kg dry	485	B407175	JGS	17-Jul-14	EPA7471	V1
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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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL I-2
H401976-06 (Soil)

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

Alkalinity, Bicarbonate	332		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	232		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.79		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	272		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	89.4-126		4070106	CK	02-Jul-14	8021B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	95.3		%	1	B407078	LLG	10-Jul-14	EPA160.3	H2	
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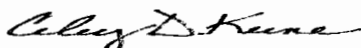
Total Metals by ICP

Calcium	10300		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	3340		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	734		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	904		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL I-2
H401976-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	11.3		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	1.15		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	24.4		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.174		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	3.55		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	1.86		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	2.71		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	24.1		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

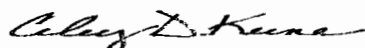
Total Mercury by CVAA

Mercury	ND		0.107	mg/kg dry	510	B407175	JGS	17-Jul-14	EPA7471	V1
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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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELL I-3
H401976-07 (Soil)

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

Alkalinity, Bicarbonate	176		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	129		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.88		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	144		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	89.4-126		4070106	CK	02-Jul-14	8021B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	84.6			%	1	B407078	LLG	10-Jul-14	EPA160.3	H2
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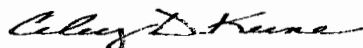
Total Metals by ICP

Calcium	555		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	3130		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	359		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	349		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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: C & C LANDFARM (NM-01-0012) VI
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELL I-3
H401976-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	5.91		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.662		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	15.4		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	2.71		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	0.916		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	1.98		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	22.7		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

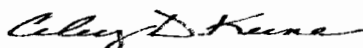
Total Mercury by CVAA

Mercury	ND		0.112	mg/kg dry	475	B407175	JGS	17-Jul-14	EPA7471	VI
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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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELL I-4 H401976-08 (Soil)

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

Inorganic Compounds

Alkalinity, Bicarbonate	195		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	204		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.85		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	160		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126 4070106 CK 02-Jul-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	98.8			%	1	B407078	LLG	10-Jul-14	EPA160.3	H2
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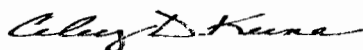
Total Metals by ICP

Calcium	1240		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	3830		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	575		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	621		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL I-4
H401976-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	8.34		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	1.25		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	21.7		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.180		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	4.54		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	1.38		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	3.56		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	29.4		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

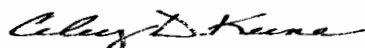
Total Mercury by CVAA

Mercury	ND		0.104	mg/kg dry	515	B407175	JGS	17-Jul-14	EPA7471	V1
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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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELL F-1 H401976-09 (Soil)

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

Inorganic Compounds

Alkalinity, Bicarbonate	97.6		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	153		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.70		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	80.0		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	89.4-126		4070106	CK	02-Jul-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.6		%	1	B407078	LLG	10-Jul-14	EPA160.3	H2	
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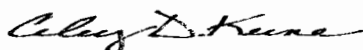
Total Metals by ICP

Calcium	624		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	2550		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	345		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	485		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL F-1
H401976-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	6.16		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.620		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	12.9		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	1.88		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	1.17		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	1.89		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	27.5		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

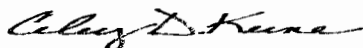
Total Mercury by CVAA

Mercury	ND		0.0974	mg/kg dry	475	B407175	JGS	17-Jul-14	EPA7471	V1
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL F-2
H401976-10 (Soil)

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

Alkalinity, Bicarbonate	78.1		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	116		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.62		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	64.0		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	89.4-126		4070106	CK	02-Jul-14	8021B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	99.3		%	1	B407078	LLG	10-Jul-14	EPA160.3	H2	
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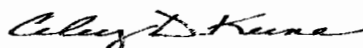
Total Metals by ICP

Calcium	533		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	2360		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	337		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	437		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELL F-2
H401976-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	6.76		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.856		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	13.9		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.106		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	1.96		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	1.06		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	2.80		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	27.2		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	M5
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

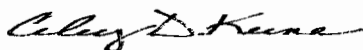
Total Mercury by CVAA

Mercury	ND		0.104	mg/kg dry	515	B407175	JGS	17-Jul-14	EPA7471	V1
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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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELL F-3
H401976-11 (Soil)

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

Alkalinity, Bicarbonate	117		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	128		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.76		0.100	pH Units	1	4070908	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	96.0		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070106	CK	02-Jul-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			100 %	89.4-126		4070106	CK	02-Jul-14	8021B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	99.5		%	1	B407078	LLG	10-Jul-14	EPA160.3	H2	
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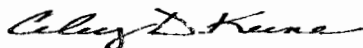
Total Metals by ICP

Calcium	402		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	2050		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	262		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	389		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL F-3
H401976-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	ND		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.684		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	9.79		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.101		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	1.60		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	0.733		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	1.37		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	17.1		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

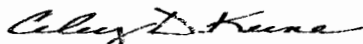
Total Mercury by CVAA

Mercury	ND		0.0975	mg/kg dry	485	B407175	JGS	17-Jul-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELL F-4 H401976-12 (Soil)

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

Inorganic Compounds

Alkalinity, Bicarbonate	215		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	163		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.44		0.100	pH Units	1	4070909	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	176		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070806	MS	08-Jul-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126 4070806 MS 08-Jul-14 8021B

Green Analytical Laboratories

General Chemistry

% Dry Solids	79.5		%	1	B407078	LLG	10-Jul-14	EPA160.3	H2	
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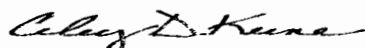
Total Metals by ICP

Calcium	1550		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	2180		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	395		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	403		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL F-4
H401976-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	6.24		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.828		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	14.5		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	1.68		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	0.893		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	2.00		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	24.0		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

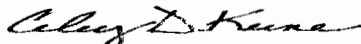
Total Mercury by CVAA

Mercury	ND		0.126	mg/kg dry	500	B407175	JGS	17-Jul-14	EPA7471	
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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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL L -1
H401976-13 (Soil)

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

Alkalinity, Bicarbonate	352		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	358		1.00	uS/cm	1	4071604	AP	17-Jul-14	120.1	
pH*	7.48		0.100	pH Units	1	4070909	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	288		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	89.4-126		4070806	MS	08-Jul-14	8021B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	82.8			%	1	B407078	LLG	10-Jul-14	EPA160.3	H2
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Total Metals by ICP

Calcium	12200		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	5400		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	1680		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	1480		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

Cardinal Laboratories

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL L-1
H401976-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	17.6		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	1.75		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	53.2		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.227		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	4.63		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	2.88		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	3.58		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	79.3		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

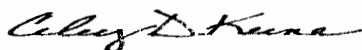
Total Mercury by CVAA

Mercury	ND		0.115	mg/kg dry	475	B407175	JGS	17-Jul-14	EPA7471	
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Cardinal Laboratories

*=Accredited Analyte

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Celestine D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL L-2
H401976-14 (Soil)

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

Alkalinity, Bicarbonate	332		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	16.0		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	462		1.00	uS/cm	1	4071605	AP	17-Jul-14	120.1	
pH*	7.82		0.100	pH Units	1	4070909	AP	16-Jul-14	9045	
Sulfate	97.2		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	272		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	89.4-126		4070806	MS	08-Jul-14	8021B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	70.4			%	1	B407078	LLG	10-Jul-14	EPA160.3	H2
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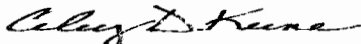
Total Metals by ICP

Calcium	98900		1000	mg/kg dry	1000	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	11200		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	8290		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	2470		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	188		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELL L-2 H401976-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories

Total Metals by ICP

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Zinc	30.6		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

Total Metals by ICPMS

Arsenic	5.91		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	305		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.375		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	8.60		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	4.51		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	6.62		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	120		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

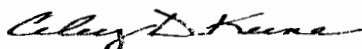
Total Mercury by CVAA

Mercury	ND		0.135	mg/kg dry	475	B407175	JGS	17-Jul-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL L-3
H401976-15 (Soil)

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

Alkalinity, Bicarbonate	332		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	64.0		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	795		1.00	uS/cm	1	4071605	AP	17-Jul-14	120.1	
pH*	7.23		0.100	pH Units	1	4070909	AP	16-Jul-14	9045	
Sulfate	135		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	272		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070806	MS	09-Jul-14	8021B	
Toluene*	ND		0.100	mg/kg	50	4070806	MS	09-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070806	MS	09-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070806	MS	09-Jul-14	8021B	
Total BTEX	ND		0.350	mg/kg	50	4070806	MS	09-Jul-14	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126 4070806 MS 09-Jul-14 8021B

Green Analytical Laboratories
General Chemistry

% Dry Solids	96.3			%	1	B407078	LLG	10-Jul-14	EPA160.3	H2
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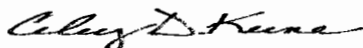
Total Metals by ICP

Calcium	11800		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	12200		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	5230		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	3420		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL L-3
H401976-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	31.3		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	1.64		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	65.6		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.434		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	11.8		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	3.10		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	6.02		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	51.7		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

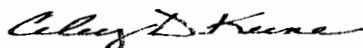
Total Mercury by CVAA

Mercury	ND		0.102	mg/kg dry	490	B407175	JGS	17-Jul-14	EPA7471	
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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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

CELL L-4 H401976-16 (Soil)

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

Inorganic Compounds

Alkalinity, Bicarbonate	195		20.0	mg/kg	1	4062305	AP	14-Jul-14	310.1	
Alkalinity, Carbonate	ND		4.00	mg/kg	4	4062305	AP	14-Jul-14	310.1	
Chloride	ND		16.0	mg/kg	4	4070206	AP	03-Jul-14	4500-Cl-B	
Conductivity*	323		1.00	uS/cm	1	4071605	AP	17-Jul-14	120.1	
pH*	7.62		0.100	pH Units	1	4070909	AP	16-Jul-14	9045	
Sulfate	ND		40.0	mg/kg	4	4071406	AP	15-Jul-14	375.4	
Alkalinity, Total*	160		16.0	mg/kg	4	4062305	AP	14-Jul-14	310.1	

Organic Compounds

TPH 418.1	ND		100	mg/kg	10	4070803	CK	22-Jul-14	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Toluene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Total BTEX	ND		0.300	mg/kg	50	4070806	MS	08-Jul-14	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	89.4-126		4070806	MS	08-Jul-14	8021B	

Green Analytical Laboratories

General Chemistry

% Dry Solids	97.7		%	1	B407078	LLG	10-Jul-14	EPA160.3	H2	
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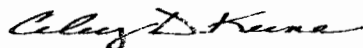
Total Metals by ICP

Calcium	1680		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Iron	6630		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Magnesium	2340		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Potassium	1780		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
Sodium	ND		100	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

CELL L-4
H401976-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Zinc	21.9		5.00	mg/kg dry	100	B407150	JGS	16-Jul-14	EPA6010 B	
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Total Metals by ICPMS

Arsenic	1.52		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Barium	32.5		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Cadmium	0.252		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Chromium	4.68		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Copper	3.02		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Lead	3.61		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Manganese	73.7		0.500	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B407159	JGS	18-Jul-14	6020 A	

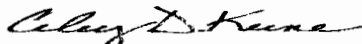
Total Mercury by CVAA

Mercury	ND		0.101	mg/kg dry	495	B407175	JGS	17-Jul-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

Inorganic Compounds - Quality Control

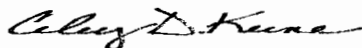
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4062305 - General Prep - Wet Chem										
Blank (4062305-BLK1)				Prepared & Analyzed: 23-Jun-14						
Alkalinity, Carbonate	ND	0.00	mg/kg							
Alkalinity, Bicarbonate	ND	5.00	mg/kg							
Alkalinity, Total	4.00	4.00	mg/kg							
LCS (4062305-BS1)				Prepared & Analyzed: 23-Jun-14						
Alkalinity, Carbonate	ND	0.00	mg/kg				80-120			
Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120			
Alkalinity, Total	104	4.00	mg/kg	100		104	80-120			
LCS Dup (4062305-BSD1)				Prepared & Analyzed: 23-Jun-14						
Alkalinity, Carbonate	ND	0.00	mg/kg				80-120		20	
Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120	0.00	20	
Alkalinity, Total	104	4.00	mg/kg	100		104	80-120	0.00	20	
Batch 4070104 - 1:4 DI Water										
Blank (4070104-BLK1)				Prepared & Analyzed: 01-Jul-14						
Chloride	ND	16.0	mg/kg							
LCS (4070104-BS1)				Prepared & Analyzed: 01-Jul-14						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (4070104-BSD1)				Prepared & Analyzed: 01-Jul-14						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Batch 4070206 - 1:4 DI Water										
Blank (4070206-BLK1)				Prepared & Analyzed: 02-Jul-14						
Chloride	ND	16.0	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

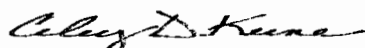
Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4070206 - 1:4 DI Water										
LCS (4070206-BS1)				Prepared & Analyzed: 02-Jul-14						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (4070206-BS1)				Prepared & Analyzed: 02-Jul-14						
Chloride	400	16.0	mg/kg	400		100	80-120	0.00	20	
Batch 4070907 - 1:1 DI										
LCS (4070907-BS1)				Prepared: 09-Jul-14 Analyzed: 16-Jul-14						
pH	7.14		pH Units	7.00		102	90-110			
Duplicate (4070907-DUP1)				Source: H401964-01		Prepared: 09-Jul-14 Analyzed: 16-Jul-14				
pH	7.50	0.100	pH Units		8.48			12.3	20	
Batch 4070908 - General Prep - Wet Chem										
LCS (4070908-BS1)				Prepared: 09-Jul-14 Analyzed: 16-Jul-14						
pH	7.14		pH Units	7.00		102	90-110			
Duplicate (4070908-DUP1)				Source: H401976-02		Prepared: 09-Jul-14 Analyzed: 16-Jul-14				
pH	7.59	0.100	pH Units		7.54			0.661	20	
Batch 4070909 - NO PREP										
LCS (4070909-BS1)				Prepared: 09-Jul-14 Analyzed: 16-Jul-14						
pH	7.13		pH Units	7.00		102	90-110			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

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 4070909 - NO PREP

Duplicate (4070909-DUP1) Source: H401976-12 Prepared: 09-Jul-14 Analyzed: 16-Jul-14

pH 7.58 0.100 pH Units 7.44 1.86 20

Batch 4071406 - General Prep - Wet Chem

Blank (4071406-BLK1) Prepared: 14-Jul-14 Analyzed: 15-Jul-14

Sulfate ND 10.0 mg/kg

LCS (4071406-BS1) Prepared: 14-Jul-14 Analyzed: 15-Jul-14

Sulfate 16.0 10.0 mg/kg 20.0 80.0 80-120

LCS Dup (4071406-BSD1) Prepared: 14-Jul-14 Analyzed: 15-Jul-14

Sulfate 17.0 10.0 mg/kg 20.0 84.8 80-120 5.77 20

Batch 4071603 - General Prep - Wet Chem

LCS (4071603-BS1) Prepared: 16-Jul-14 Analyzed: 17-Jul-14

Conductivity 484 uS/cm 500 96.8 80-120

Duplicate (4071603-DUP1) Source: H401964-01 Prepared: 16-Jul-14 Analyzed: 17-Jul-14

Conductivity 149000 0.250 uS/cm 150000 0.671 20

Batch 4071604 - General Prep - Wet Chem

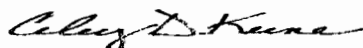
LCS (4071604-BS1) Prepared: 16-Jul-14 Analyzed: 17-Jul-14

Conductivity 494 uS/cm 500 98.8 80-120

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

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 4071604 - General Prep - Wet Chem
Duplicate (4071604-DUP1)

Source: H401976-04

Prepared: 16-Jul-14 Analyzed: 17-Jul-14

Conductivity	341	1.00	uS/cm		339			0.588	20	
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Batch 4071605 - General Prep - Wet Chem
LCS (4071605-BS1)

Prepared: 16-Jul-14 Analyzed: 17-Jul-14

Conductivity	498		uS/cm	500		99.6	80-120			
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Duplicate (4071605-DUP1)

Source: H401976-14

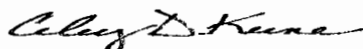
Prepared: 16-Jul-14 Analyzed: 17-Jul-14

Conductivity	464	1.00	uS/cm		462			0.432	20	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
22-Jul-14 16:01**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 4070803 - Solvent Extraction**Blank (4070803-BLK1)**

Prepared & Analyzed: 22-Jul-14

TPH 418.1 ND 100 mg/kg

LCS (4070803-BS1)

Prepared & Analyzed: 22-Jul-14

TPH 418.1 5130 100 mg/kg 5000 103 80-120

LCS Dup (4070803-BSD1)

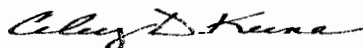
Prepared & Analyzed: 22-Jul-14

TPH 418.1 5310 100 mg/kg 5000 106 80-120 3.41 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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4070106 - Volatiles

Blank (4070106-BLK1)

Prepared: 01-Jul-14 Analyzed: 02-Jul-14

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						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500	101	89.4-126			

LCS (4070106-BS1)

Prepared: 01-Jul-14 Analyzed: 02-Jul-14

Benzene	1.77	0.050	mg/kg	2.00	88.6	76.4-135			
Toluene	1.87	0.050	mg/kg	2.00	93.6	80.2-135			
Ethylbenzene	1.64	0.050	mg/kg	2.00	82.2	78.5-133			
Total Xylenes	5.08	0.150	mg/kg	6.00	84.7	80.1-135			
Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500	99.4	89.4-126			

LCS Dup (4070106-BSD1)

Prepared: 01-Jul-14 Analyzed: 02-Jul-14

Benzene	1.64	0.050	mg/kg	2.00	82.1	76.4-135	7.54	16.4	
Toluene	1.71	0.050	mg/kg	2.00	85.3	80.2-135	9.27	16.6	
Ethylbenzene	1.50	0.050	mg/kg	2.00	75.1	78.5-133	8.96	16.1	
Total Xylenes	4.65	0.150	mg/kg	6.00	77.5	80.1-135	8.78	15.8	
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500	98.0	89.4-126			

Batch 4070806 - Volatiles

Blank (4070806-BLK1)

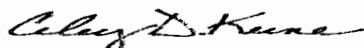
Prepared & Analyzed: 08-Jul-14

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						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500	104	89.4-126			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4070806 - Volatiles

LCS (4070806-BS1)

Prepared & Analyzed: 08-Jul-14

Benzene	1.85	0.050	mg/kg	2.00		92.6	76.4-135		
Toluene	1.94	0.050	mg/kg	2.00		97.2	80.2-135		
Ethylbenzene	1.72	0.050	mg/kg	2.00		86.2	78.5-133		
Total Xylenes	5.35	0.150	mg/kg	6.00		89.2	80.1-135		
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	89.4-126		

LCS Dup (4070806-BSD1)

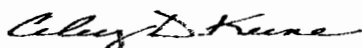
Prepared & Analyzed: 08-Jul-14

Benzene	1.99	0.050	mg/kg	2.00		99.4	76.4-135	7.12	16.4
Toluene	2.10	0.050	mg/kg	2.00		105	80.2-135	7.57	16.6
Ethylbenzene	1.87	0.050	mg/kg	2.00		93.5	78.5-133	8.12	16.1
Total Xylenes	5.77	0.150	mg/kg	6.00		96.2	80.1-135	7.60	15.8
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	89.4-126		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

Total Metals by ICP - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch B407150 - EPA 3050
Blank (B407150-BLK1)

Prepared: 15-Jul-14 Analyzed: 16-Jul-14

Magnesium	ND	1.00	mg/kg dry						
Potassium	ND	1.00	mg/kg dry						
Calcium	ND	1.00	mg/kg dry						
Iron	0.069	0.050	mg/kg dry						B1
Zinc	ND	0.050	mg/kg dry						
Sodium	ND	1.00	mg/kg dry						

LCS (B407150-BS1)

Prepared: 15-Jul-14 Analyzed: 16-Jul-14

Magnesium	19.6	1.00	mg/kg dry	20.0		98.2	85-115		
Iron	3.75	0.050	mg/kg dry	4.00		93.7	85-115		
Sodium	6.76	1.00	mg/kg dry	6.48		104	85-115		
Zinc	1.85	0.050	mg/kg dry	2.00		92.7	85-115		
Calcium	4.00	1.00	mg/kg dry	4.00		100	85-115		
Potassium	8.35	1.00	mg/kg dry	8.00		104	85-115		

LCS Dup (B407150-BSD1)

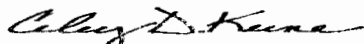
Prepared: 15-Jul-14 Analyzed: 16-Jul-14

Potassium	7.96	1.00	mg/kg dry	8.00		99.5	85-115	4.74	20
Calcium	3.98	1.00	mg/kg dry	4.00		99.4	85-115	0.577	20
Iron	3.88	0.050	mg/kg dry	4.00		96.9	85-115	3.34	20
Magnesium	19.8	1.00	mg/kg dry	20.0		99.1	85-115	0.916	20
Sodium	6.77	1.00	mg/kg dry	6.48		105	85-115	0.273	20
Zinc	1.87	0.050	mg/kg dry	2.00		93.3	85-115	0.659	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
22-Jul-14 16:01

Total Metals by ICPMS - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B407159 - EPA 3050M
Blank (B407159-BLK1)

Prepared: 16-Jul-14 Analyzed: 18-Jul-14

Silver	ND	0.0001	mg/kg dry
Copper	ND	0.0001	mg/kg dry
Lead	ND	0.0005	mg/kg dry
Manganese	ND	0.0005	mg/kg dry
Arsenic	ND	0.0005	mg/kg dry
Selenium	ND	0.0010	mg/kg dry
Chromium	ND	0.0010	mg/kg dry
Cadmium	ND	0.0001	mg/kg dry
Barium	ND	0.0005	mg/kg dry

LCS (B407159-BS1)

Prepared: 16-Jul-14 Analyzed: 18-Jul-14

Cadmium	0.0471	0.0001	mg/kg dry	0.0500	94.2	85-115
Barium	0.0476	0.0005	mg/kg dry	0.0500	95.1	85-115
Chromium	0.0488	0.0010	mg/kg dry	0.0500	97.5	85-115
Copper	0.0498	0.0001	mg/kg dry	0.0500	99.6	85-115
Manganese	0.0463	0.0005	mg/kg dry	0.0500	92.5	85-115
Arsenic	0.0467	0.0005	mg/kg dry	0.0500	93.4	85-115
Silver	0.0470	0.0001	mg/kg dry	0.0500	94.0	85-115
Selenium	0.226	0.0010	mg/kg dry	0.250	90.4	85-115
Lead	0.0477	0.0005	mg/kg dry	0.0500	95.4	85-115

LCS Dup (B407159-BSD1)

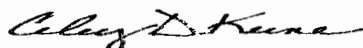
Prepared: 16-Jul-14 Analyzed: 18-Jul-14

Silver	0.0453	0.0001	mg/kg dry	0.0500	90.7	85-115	3.58	20
Selenium	0.221	0.0010	mg/kg dry	0.250	88.3	85-115	2.39	20
Chromium	0.0468	0.0010	mg/kg dry	0.0500	93.6	85-115	4.07	20
Cadmium	0.0454	0.0001	mg/kg dry	0.0500	90.8	85-115	3.70	20
Arsenic	0.0460	0.0005	mg/kg dry	0.0500	92.0	85-115	1.54	20
Manganese	0.0444	0.0005	mg/kg dry	0.0500	88.8	85-115	4.04	20
Lead	0.0453	0.0005	mg/kg dry	0.0500	90.5	85-115	5.21	20
Copper	0.0477	0.0001	mg/kg dry	0.0500	95.5	85-115	4.22	20
Barium	0.0452	0.0005	mg/kg dry	0.0500	90.3	85-115	5.21	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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 22-Jul-14 16:01

Total Mercury by CVAA - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B407175 - EPA 7471
Blank (B407175-BLK1)

Prepared & Analyzed: 17-Jul-14

Mercury ND 0.0002 mg/kg wet

LCS (B407175-BS1)

Prepared & Analyzed: 17-Jul-14

Mercury 0.0019 0.0002 mg/kg wet 0.00200 97.4 85-115

LCS Dup (B407175-BSD1)

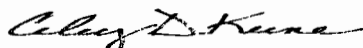
Prepared & Analyzed: 17-Jul-14

Mercury 0.0019 0.0002 mg/kg wet 0.00200 96.8 85-115 0.515 20

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Celey D. Keene, Lab Director/Quality Manager

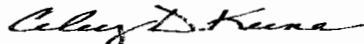
Notes and Definitions

V1	Continuing calibration verification recovery was above method acceptance limits. This target analyte was not detected in the sample.
M5	Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.
H2	Sample analysis performed past hold time specified by the method.
B1	Target analyte detected in method blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

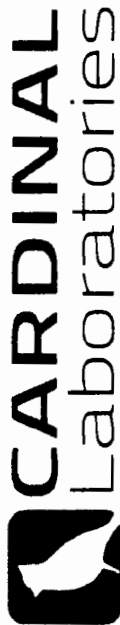
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Celey D. Keene, Lab Director/Quality Manager



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







CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO		ANALYSIS REQUEST	
P.O. #:		P.O. #:	
Company: C&C		Company: C&C	
Attn: Edie Sney		Attn: Edie Sney	
Address: 601 W. Illinois		Address: 601 W. Illinois	
City: Nham		City: Nham	
State: NM Zip: 88242		State: NM Zip: 88242	
Phone #: 2-2236		Phone #: 2-2236	
Fax #: 2-6949		Fax #: 2-6949	
Lab I.D.	Sample I.D.	MATRIX	DATE TIME
4401916	Cell A-1	GROUNDWATER	6/30 6:40
	Cell A-2	GROUNDWATER	6/30 7:20
	Cell A-3	GROUNDWATER	6/30 8:00
	Cell A-4	GROUNDWATER	6/30 8:35
	Cell I-1	GROUNDWATER	6/30 9:10
	Cell I-2	GROUNDWATER	6/30 9:45
	Cell I-3	GROUNDWATER	6/30 10:15
	Cell I-4	GROUNDWATER	6/30 10:35

DATE	TIME	ACID/BASE	ICE / COOL	OTHER
6/30	6:40			
6/30	7:20			
6/30	8:00			
6/30	8:35			
6/30	9:10			
6/30	9:45			
6/30	10:15			
6/30	10:35			

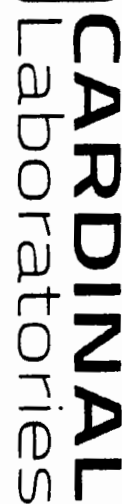
DATE	TIME	ACID/BASE	ICE / COOL	OTHER
6/30	6:40			
6/30	7:20			
6/30	8:00			
6/30	8:35			
6/30	9:10			
6/30	9:45			
6/30	10:15			
6/30	10:35			

PLEASE NOTE: Cardiac and Coroner's orders and reports are valid only for any claim and/or when based in connection with the amount paid by the client for the analyses. All claims, including those for negligence and/or other cause, are subject to the terms and conditions of the contract. The contract is the only document that governs the relationship between the parties. The contract is the only document that governs the relationship between the parties. The contract is the only document that governs the relationship between the parties.

Relinquished By: 	Received By: 
Date: 7/1	Date: 7/1
Time: 10:15	Time: 10:15
Relinquished By: 	Received By: 
Date: 7/1	Date: 7/1
Time: 10:15	Time: 10:15
Relinquished By: 	Received By: 
Date: 7/1	Date: 7/1
Time: 10:15	Time: 10:15

Delivered By: (Circle One)	Sample Condition	Checked By: (Initials)
Sampler - UPS - Bus - Other: 280 #54	Cool Intact Yes No	VP

Remarks: 20.6.2.3103 A+B
6010 C/6020 A
SEA404@6010.net



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: C+C Construction Project Manager: J. Cooper Address: Box 55 City: Mountain View State: NM zip: 88265 Phone #: 369-7108 Fax #: 392-6949 Project #: C+C LF Project Owner: J. Cooper Project Name: C+C LF (NM-0012) Project Location: Sut 3 T.20 R.37, Mountain View Sample Name: Edwin Sney (Sut 3)				P.O. #: Company: C+C Attn: Edwin Sney Address: 1801 W. 11th St City: Hills State: NM zip: 88242 Phone #: 392-2236 Fax #: 392-6949			
Lab I.D. Sample I.D.				MATRIX <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER :			
(G) OR (C) OMP. # CONTAINERS				PRESERV. SAMPLING			
9 Call F-1 <input checked="" type="checkbox"/> 4 4/30 11:40 BTX (902(8/602))							
10 Call F-2 <input checked="" type="checkbox"/> 4 6/30 12:15 TPH (418.1)							
11 Call F-3 <input checked="" type="checkbox"/> 4 6/30 1:00 Cations (Ca, Mg, Na, K)							
12 Call F-4 <input checked="" type="checkbox"/> 4 6/30 1:35 Anions (Cl, SO4, CO3, HCO3)							
13 Call L-1 <input checked="" type="checkbox"/> 4 6/30 3:10 WACC Metals (6010 C/6020)							
14 Call L-2 <input checked="" type="checkbox"/> 4 6/30 4:00 "As, Ba, Cd, Cr, Pb							
15 Call L-3 <input checked="" type="checkbox"/> 4 6/30 4:40 "Se, Cu, Fe, Mn, Zn, A							
16 Call L-4 <input checked="" type="checkbox"/> 4 6/30 5:15 "Hg (7420)							

PLEASE NOTE: Labels and Containers: Containers labeled and clearly indicate contents for any data being submitted in contrast to not. Labels should be attached to the amount used by the client for the analysis. All items including those for reagents and any other items submitted shall be returned unless noted in writing and reagents. Containers should be returned within 30 days after completion of the analysis. It is the responsibility of the client to ensure that all items are properly labeled and clearly indicate contents for any data being submitted in contrast to not. Labels should be attached to the amount used by the client for the analysis.

Relinquished By: **[Signature]** Date: **7/1** Received By: **[Signature]** Date: **10/15**

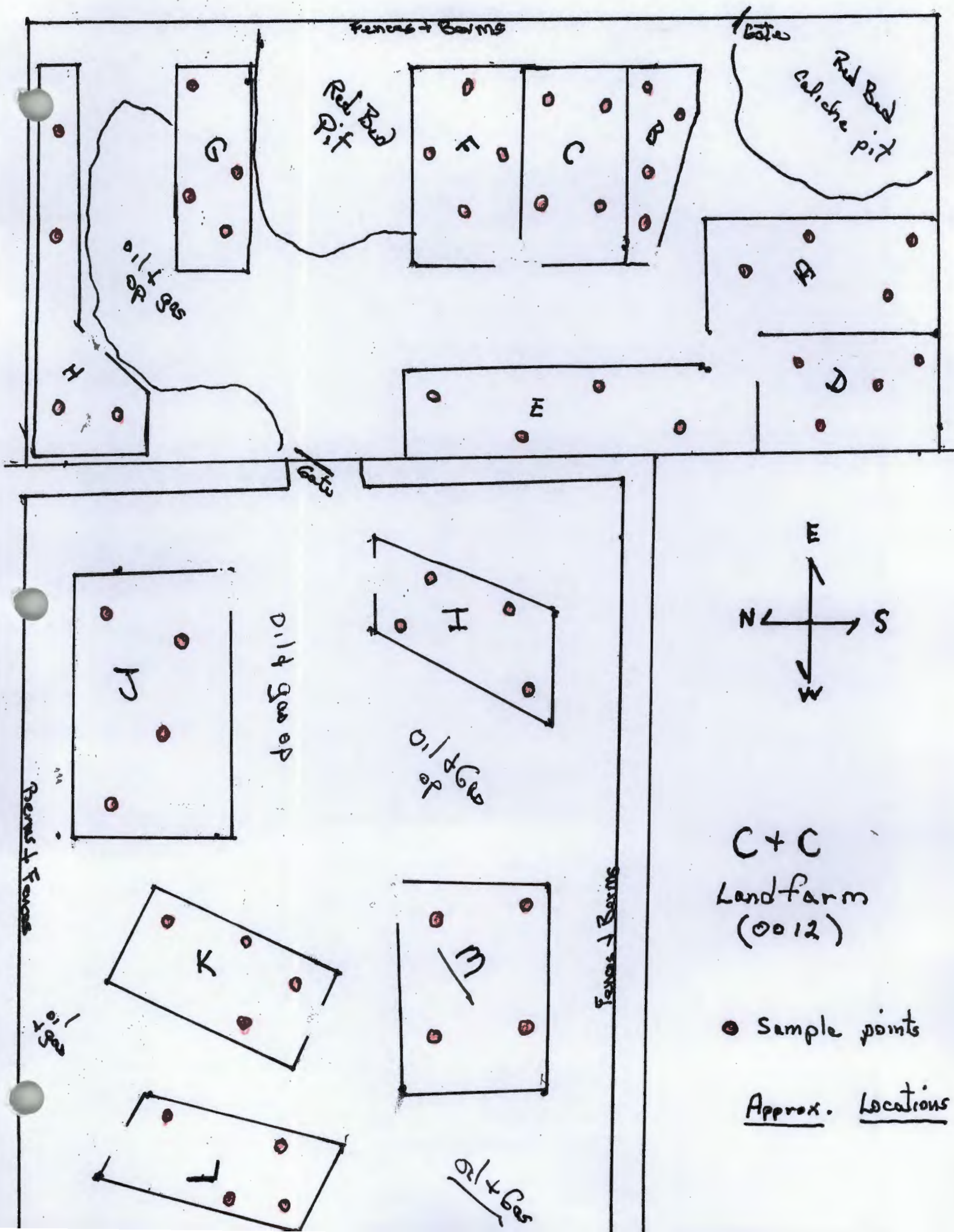
Relinquished By: **[Signature]** Date: **10/15** Received By: **[Signature]** Date: **10/15**

Delivered By: (Circle One) **280 + 54** Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No

Sampler - UPS - Bus - Other: **280 + 54** Checked By: **[Signature]** (Initials)

REMARKS: **20.6.3103 7420**

232



State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

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

Jami Bailey, Division Director
Oil Conservation Division



April 9, 2014

Mr. Jimmy Cooper
C & C Landfarm Inc.
P.O. Box 36
Monument, New Mexico 88265

**RE: 2013 Bi-Annual Sampling and Five Year Monitoring Report Review
C & C Landfarm Inc.
Permit NM1-012
Location: Unit B of Section 3, Township 20 South, Range 37 East, NMPM
Lea County, New Mexico**

Dear Mr. Cooper:

The Oil Conservation Division (OCD) has completed the review of C & C Landfarm Inc.'s (C & C) 2013 Bi-Annual Sampling and Five Year Monitoring Report. The vadose zone results were not compared to the background results in order to determine if a release had occurred and if the required follow-up actions are required to be completed. The five year vadose sampling event was not implemented on all of the active landfarm cells and additional laboratory analysis was performed that was not required by regulation. Also, the incorrect test method for TPH was utilized and demonstrated in regards to vadose zone monitoring.

In accordance with Paragraph (1) of 19.15.36.15.E NMAC, "The operator shall monitor the vadose zone beneath the treatment zone in each landfarm cell." Pursuant to Paragraph (3) of 19.15.36.15.E NMAC, "The operator shall collect and analyze a minimum of four randomly selected, independent samples from the vadose zone, using the methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC at least every five years and shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred." The five year sampling was only performed on the following landfarm cell(s): Cell J sampled Dec. 30, 2013. Also, the laboratory results submitted in the monitoring report demonstrated that analysis was performed for all the constituents listed in Subsections A and B of 20.6.2.3103 NMAC. As underlined in the above reference of Paragraph (1) of 19.15.36.15.E NMAC, the "methods specified below for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC" are those identified in Subsection F of 19.15.36.15 NMAC: such as "determined by EPA SW-846 methods 6010B or 6020 or other EPA method approved by the division..." Please perform the five year monitoring program on the remaining active landfarm cells in order to complete the five year monitoring and to demonstrate compliance of Paragraphs (1) and (3) of 19.15.36.15.E NMAC.

In regards to utilizing the proper TPH test method for vadose zone monitoring, in accordance with Paragraph (2) of 19.15.36.15.E NMAC the operator shall analyze the samples from the vadose zone "using the methods specified below for TPH, BTEX and chlorides and shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred."


The “methods specified below for TPH, BTEX and chlorides” are those identified in Subsection F of 19.15.36.15 NMAC: such as “TPH, as determined by EPA method 418.1 or other EPA method approved by the division...” Pursuant to the Transitional Provisions of Subsection A of 19.15.36.20.NMAC, “Existing surface waste management facilities shall comply with the operational, waste acceptance and closure requirements provided in 19.15.36 NMAC, except as otherwise specifically provided in the applicable permit or order, or in a specific waiver, exception or agreement that the division has granted in writing to the particular surface waste management facility.” The most common vadose zone monitoring (commonly referred to, but incorrectly as “Treatment Zone Monitoring” within existing landfarm permits) condition in an existing landfarm permit is as follows: “The soil samples must be analyzed using EPA-approved methods for total petroleum hydrocarbons (TPH) and volatile aromatic organics (BTEX) quarterly and for major cations/anions and Water Quality Control Commission (WQCC) metals annually.” The permit condition only identified the constituent and does not specify the test method. Part 36 specifies EPA Method 418.1 as the required vadose zone analyses for TPH. Please submit all future vadose zone sampling results demonstrating TPH by EPA Method 418.1.

The 2013 Bi-Annual Sampling and Five Year Monitoring Report only included the laboratory results from the sampling event. The requirements of Subsection E of 19.15.36.15 NMAC are clear that the operator “shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred.” The rest of the vadose zone assessment was not completed to determine if a release has occurred and/or if the required additional testing and a response action plan of Paragraph (5) of 19.15.36.15.E NMAC are required. Please complete the required assessment.

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

Please complete the required actions of 19.15.36.15.E NMAC, provide OCD with the additional five year sampling results, provide OCD the sampling results compared to background or PQL for release determination, and submit the sampling results demonstrating TPH by EPA Method 418.1 within 120 days of receipt of this letter. Also, please provide an updated facility map that identifies the individual landfarm cells within the facility boundary and indicate the approximate location within the landfarm cells in which the samples were obtained. If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brad A. Jones', with a long horizontal line extending to the right.

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District I Office, Hobbs
Eddie Seay, Eddie Seay Consulting, Hobbs, NM 88242

C & C LANDFARM

NM-01-0012

BI-ANNUAL SAMPLING

JANUARY 2014

January 2014

RECEIVED 00D

2014 FEB -4 P 3: 12

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

RE: C & C Landfarm (NM-01-0012)
Bi-Annual Sampling & 5 yr. Monitoring
Cell J

Mr. Jones:

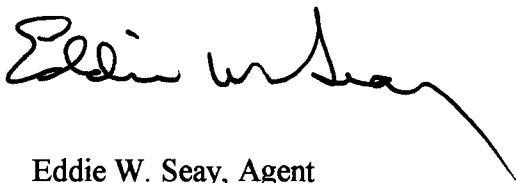
Find enclosed a copy of the bi-annual sampling for C & C Landfarm, Treatment zone samples, Vadose zone sampling and one cell for the five year monitoring.

All samples were taken and analyzed according to the guidelines set forth in Rule 36.

C & C continues to operate and maintain the landfarm as permit requires, and continue with closing the facility as approved.

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

Thanks,



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

cc: C & C Landfarm

January 10, 2014

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

RE: C & C LANDFARM - TREATMENT ZONE

Enclosed are the results of analyses for samples received by the laboratory on 12/31/13 9:30.

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

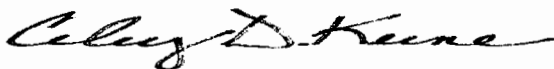
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/31/2013	Sampling Date:	12/29/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL A - T (H303156-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/01/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	892	10.0	01/01/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane		101 %	65.2-140						
Surrogate: 1-Chlorooctadecane		141 %	63.6-154						

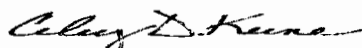
Sample ID: CELL B - T (H303156-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/01/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	742	10.0	01/01/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane		75.5 %	65.2-140						
Surrogate: 1-Chlorooctadecane		106 %	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: 12/31/2013
 Reported: 01/10/2014
 Project Name: C & C LANDFARM - TREATMENT ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 12/29/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL C - T (H303156-03)

Chloride, SM4500C-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/06/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/01/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	11.9	10.0	01/01/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane	123 %	65.2-140							
Surrogate: 1-Chlorooctadecane	124 %	63.6-154							

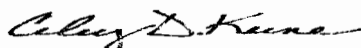
Sample ID: CELL D - T (H303156-04)

Chloride, SM4500C-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	
TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/01/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/01/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane	124 %	65.2-140							
Surrogate: 1-Chlorooctadecane	124 %	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:	12/31/2013	Sampling Date:	12/29/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL E - T (H303156-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/06/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane	122 %	65.2-140							
Surrogate: 1-Chlorooctadecane	123 %	63.6-154							

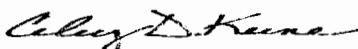
Sample ID: CELL F - T (H303156-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	10.3	10.0	01/02/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane	125 %	65.2-140							
Surrogate: 1-Chlorooctadecane	127 %	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:	12/31/2013	Sampling Date:	12/29/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL G - T (H303156-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane	122 %	65.2-140							
Surrogate: 1-Chlorooctadecane	125 %	63.6-154							

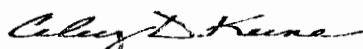
Sample ID: CELL H - T (H303156-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/06/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/01/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/01/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane	113 %	65.2-140							
Surrogate: 1-Chlorooctadecane	112 %	63.6-154							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/31/2013	Sampling Date:	12/29/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL I - T (H303156-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/01/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/01/2014	ND	206	103	200	2.71	
<hr/>									
Surrogate: 1-Chlorooctane	84.9 %	65.2-140							
Surrogate: 1-Chlorooctadecane	77.8 %	63.6-154							

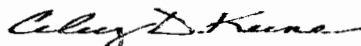
Sample ID: CELL J - T (H303156-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/06/2014	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	206	103	200	2.71	
<hr/>									
Surrogate: 1-Chlorooctane	120 %	65.2-140							
Surrogate: 1-Chlorooctadecane	122 %	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:	12/31/2013	Sampling Date:	12/29/2013
Reported:	01/10/2014	Sampling Type:	Soil
Project Name:	C & C LANDFARM - TREATMENT ZONE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM SECT 3		

Sample ID: CELL K - T (H303156-11)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	3.77	
TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	18.4	10.0	01/02/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane	112 %	65.2-140							
Surrogate: 1-Chlorooctadecane	117 %	63.6-154							

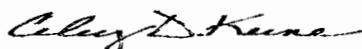
Sample ID: CELL L - T (H303156-12)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	3.77	
TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/01/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	75.7	10.0	01/01/2014	ND	206	103	200	2.71	
Surrogate: 1-Chlorooctane	111 %	65.2-140							
Surrogate: 1-Chlorooctadecane	119 %	63.6-154							

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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: 12/31/2013
Reported: 01/10/2014
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

Sampling Date: 12/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL M - T (H303156-13)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	3.77	

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/01/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	40.1	10.0	01/01/2014	ND	206	103	200	2.71	

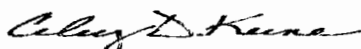
Surrogate: 1-Chlorooctane 121 % 65.2-140

Surrogate: 1-Chlorooctadecane 126 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

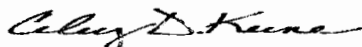
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

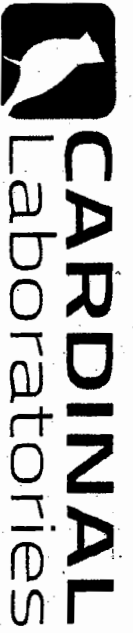
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(576) 393-2326 FAX (576) 393-2478

1 of 2

Company Name: <u>Edlin Sany Consulting</u>		P.O. #:	
Project Manager: <u>Edlin Sany</u>		Company:	
Address: <u>601 W. ILLINOIS</u>		Attn: <u>Sam</u>	
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88242</u>		Address: <u>Sam</u>	
Phone #: <u>2-2236</u> Fax #: <u>2-1949</u>		City: <u>Sam</u>	
Project #: <u>CEC</u> Project Owner: <u>J. Caputo</u>		State: <u>Sam</u> Zip: <u>Sam</u>	
Project Name: <u>CEC Landform (NM.D.1.0912)</u>		Phone #:	
Project Location: <u>Mesa N.M. Section 3</u>		Fax #:	
Sampler Name: <u>Edlin Sany (Treatment 2009)</u>		PRESERV	
FOR LAB USE ONLY		SAMPLING	
Lab I.D.	Sample I.D.		
H503156			
1	Cell A-T	(G)RAB OR (S)OMP	# CONTAINERS
2	Cell B-T	GROUNDWATER	
3	Cell C-T	WASTEWATER	
4	Cell D-T	SOIL	
5	Cell E-T	OIL	
6	Cell F-T	SLUDGE	
7	Cell G-T	OTHER:	
8	Cell H-T	ACID/BASE:	
9	Cell I-T	ICE / COOL	
10	Cell J-T	OTHER:	
		DATE	TIME
		12/29	9:15
		12/29	9:40
		12/29	10:00
		12/29	10:25
		12/29	10:50
		12/29	11:10
		12/29	11:30
		12/29	11:50
		12/29	12:15
		12/29	12:35
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Relinquished By: <u>Edlin Sany</u> Date: <u>12/31</u> Time: <u>9:30</u>		Received By: <u>Edlin Sany</u> Date: <u>12/31</u> Time: <u>9:30</u>	
Delivered By: (Circle One) <u>UPS</u>		Sample Condition <u>Good</u> Checked By: <u>Edlin Sany</u>	
Sampler - UPS - Bus - Other:		Cool <u>Yes</u> <u>No</u> <u>Yes</u> <u>No</u>	
† Cardinal cannot accept verbal changes. Please fax written changes to (576) 393-2326 #54		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:	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Edg (a) Saay Consulting

Company Name: Edwards Sear Consulting
Project Manager: Edwards Sear

Address: 601 W IVING

City: Albuquerque State: NM Zip: 88201

Phone #: 2. 2236 Fax #: 2. 6944

Project #: 55-
Project Owner: J. C.

Project Name: CBC Landform (NM:DI)

Project Location: Manhasset N.Y. S.T.S.

Sample Name: Eth. S. (Treatm)

FOR LAB USE ONLY

OMP
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Lab I.D. _____ Sample I.D. _____

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13 Geo M-T 21

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IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

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[illegible]

Received By: 12/31 Date: 12/31

Time: 0:20

Relinquished By:	Date:	Received
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Time:	
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Delivered By: (Circle One)			
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Converted by: (none one)
 018

3.65c

† Cardinal cannot accept verbal changes. Please fax written.

ANALYSIS REQUEST

Page 11 of 11

January 21, 2014

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: C & C LANDFARM - VADOSE ZONE

Enclosed are the results of analyses for samples received by the laboratory on 12/31/13 9:30.

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

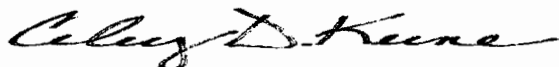
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/31/2013
Reported: 01/21/2014
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL A - V (H303155-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/02/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/02/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/02/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/02/2014	ND	5.49	91.6	6.00	2.48	
Total BTEX	<0.300	0.300	01/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	188	94.0	200	3.12	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	195	97.3	200	1.55	

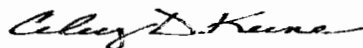
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 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: 12/31/2013
Reported: 01/21/2014
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL B - V (H303155-02)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/02/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/02/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/02/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/02/2014	ND	5.49	91.6	6.00	2.48	
Total BTEX	<0.300	0.300	01/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	188	94.0	200	3.12	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	195	97.3	200	1.55	

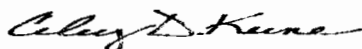
Surrogate: 1-Chlorooctane 90.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.5 % 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: 12/31/2013
 Reported: 01/21/2014
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL C - V (H303155-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/03/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.49	91.6	6.00	2.48	
Total BTEX	<0.300	0.300	01/03/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	188	94.0	200	3.12	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	195	97.3	200	1.55	

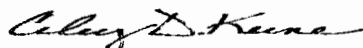
Surrogate: 1-Chlorooctane 91.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.4 % 63.6-154

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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: 12/31/2013
 Reported: 01/21/2014
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL D - V (H303155-04)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/03/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.49	91.6	6.00	2.48	
Total BTEX	<0.300	0.300	01/03/2014	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	188	94.0	200	3.12	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	195	97.3	200	1.55	

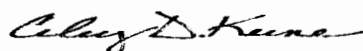
Surrogate: 1-Chlorooctane 91.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.9 % 63.6-154

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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: 12/31/2013
 Reported: 01/21/2014
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL E - V (H303155-05)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/03/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.49	91.6	6.00	2.48	
Total BTEX	<0.300	0.300	01/03/2014	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2013	ND	188	94.0	200	3.12	
DRO >C10-C28	<10.0	10.0	12/31/2013	ND	195	97.3	200	1.55	

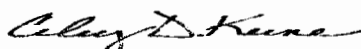
Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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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: 12/31/2013
 Reported: 01/21/2014
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL F - V (H303155-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/03/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.49	91.6	6.00	2.48	
Total BTX	<0.300	0.300	01/03/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	188	94.0	200	3.12	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	195	97.3	200	1.55	

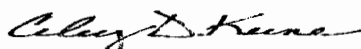
Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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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: 12/31/2013
 Reported: 01/21/2014
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL G - V (H303155-07)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/03/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.49	91.6	6.00	2.48	
Total BTEX	<0.300	0.300	01/03/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	188	94.0	200	3.12	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	195	97.3	200	1.55	

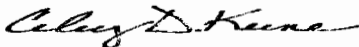
Surrogate: 1-Chlorooctane 119 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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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: 12/31/2013
 Reported: 01/21/2014
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL H - V (H303155-08)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/03/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.49	91.6	6.00	2.48	
Total BTEX	<0.300	0.300	01/03/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	188	94.0	200	3.12	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	195	97.3	200	1.55	

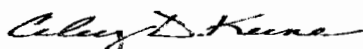
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.8 % 63.6-154

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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: 12/31/2013
Reported: 01/21/2014
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL I - V (H303155-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/03/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.49	91.6	6.00	2.48	
Total BTEX	<0.300	0.300	01/03/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/01/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/01/2014	ND	206	103	200	2.71	

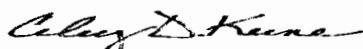
Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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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: 12/31/2013
Reported: 01/21/2014
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL K - V (H303155-10)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.84	92.0	2.00	2.57	
Toluene*	<0.050	0.050	01/03/2014	ND	1.87	93.4	2.00	2.65	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.87	93.6	2.00	2.37	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.49	91.6	6.00	2.48	
Total BTEX	<0.300	0.300	01/03/2014	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	206	103	200	2.71	

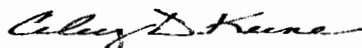
Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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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: 12/31/2013
Reported: 01/21/2014
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL L - V (H303155-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.88	93.9	2.00	2.36	
Toluene*	<0.050	0.050	01/03/2014	ND	1.86	92.8	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.82	91.1	2.00	0.763	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.40	90.0	6.00	0.486	
Total BTEX	<0.300	0.300	01/03/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	206	103	200	2.71	

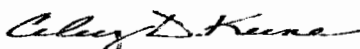
Surrogate: 1-Chlorooctane 89.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.5 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/31/2013
Reported: 01/21/2014
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NONE GIVEN
Project Location: MONUMENT, NM SECT 3

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

Sample ID: CELL M - V (H303155-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2014	ND	1.88	93.9	2.00	2.36	
Toluene*	<0.050	0.050	01/03/2014	ND	1.86	92.8	2.00	1.31	
Ethylbenzene*	<0.050	0.050	01/03/2014	ND	1.82	91.1	2.00	0.763	
Total Xylenes*	<0.150	0.150	01/03/2014	ND	5.40	90.0	6.00	0.486	
Total BTEX	<0.300	0.300	01/03/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/02/2014	ND	186	92.8	200	2.69	
DRO >C10-C28	<10.0	10.0	01/02/2014	ND	206	103	200	2.71	

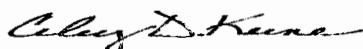
Surrogate: 1-Chlorooctane 97.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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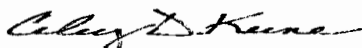
Celest D. Keene, Lab Director/Quality Manager

Notes and Definitions

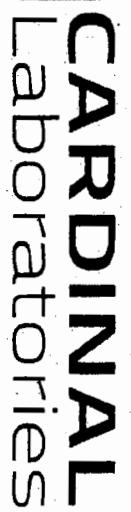
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories***=Accredited Analyte**

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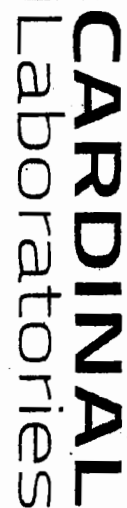
Celey D. Keene, Lab Director/Quality Manager



221

(575) 393-2326 FAX (575) 393-2476

393-2426
#57



292

ANALYSIS REQUEST

[illegible]

January 24, 2014

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: C & C LANDFARM (NM-01-0012) VADOSE ZONE

Enclosed are the results of analyses for samples received by the laboratory on 12/31/13 9:30.

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

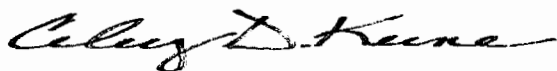
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

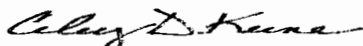
Reported:
24-Jan-14 15:50

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL J - 1	H303157-01	Soil	30-Dec-13 14:10	31-Dec-13 09:30
CELL J - 2	H303157-02	Soil	30-Dec-13 14:35	31-Dec-13 09:30
CELL J - 3	H303157-03	Soil	30-Dec-13 15:05	31-Dec-13 09:30
CELL J - 4	H303157-04	Soil	30-Dec-13 15:40	31-Dec-13 09:30

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 1
H303157-01 (Soil)

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

Cardinal Laboratories
Inorganic Compounds

Chloride	ND		16.0	mg/kg	4	4012209	AP	23-Jan-14	4500-Cl-B	
pH*	7.96		0.100	pH Units	1	4011303	AP	16-Jan-14	150.1	
Phenols	ND		2.5	mg/kg dry wt.	1	4012408	CK	22-Jan-14	EPA9065	GAL
Sulfate	ND		100	mg/kg	10	4012405	AP	24-Jan-14	375.4	

Radionuclides
SUB-RS

Radium-226	0.5 ± 0.1			pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	
Radium-228	ND		0.50	pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	
Total Radium	0.5 ± 0.1			pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3123103	ms	03-Jan-14	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3123103	ms	03-Jan-14	8015B	
Surrogate: 1-Chlorooctane			83.7 %	65.2-140		3123103	ms	03-Jan-14	8015B	
Surrogate: 1-Chlorooctadecane			80.0 %	63.6-154		3123103	ms	03-Jan-14	8015B	

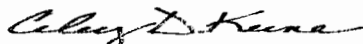
PCBs BY GC/ECD
SUB-SS

PCB 1016	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1221	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1232	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1242	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1248	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1254	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1260	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
Surrogate: Tetrachloro-meta-xylene			63.8 %	35-140		4012410	CK	08-Jan-14	8082	

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

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601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 1
H303157-01 (Soil)

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

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1-Dichloroethene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Methylene chloride*	ND		0.250	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1-Dichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Chloroform*	ND		0.100	mg/kg	50	4010606	MS	06-Jan-14	8260	
Carbon tetrachloride*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1,1-Trichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Benzene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,2-Dichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Trichloroethene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Toluene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Tetrachloroethene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1,2-Trichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,2-Dibromoethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Ethylbenzene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
m-p Xylenes*	ND		0.100	mg/kg	50	4010606	MS	06-Jan-14	8260	
o-Xylene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Total Xylenes*	ND		0.150	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1,2,2-Tetrachloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Naphthalene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Surrogate: Dibromofluoromethane			100 %	70-130		4010606	MS	06-Jan-14	8260	
Surrogate: Toluene-d8			92.8 %	70-130		4010606	MS	06-Jan-14	8260	
Surrogate: 4-Bromofluorobenzene			97.5 %	70-130		4010606	MS	06-Jan-14	8260	

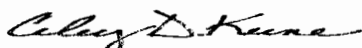
Semivolatile Organic Compounds by GCMS

Naphthalene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
2-Methylnaphthalene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
1-Methylnaphthalene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Acenaphthylene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 1 H303157-01 (Soil)

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

Semivolatile Organic Compounds by GCMS

Acenaphthene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Fluorene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Phenanthrene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Anthracene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Carbazole	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Fluoranthene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Pyrene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[a]anthracene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Chrysene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[b]fluoranthene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[k]fluoranthene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[a]pyrene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Indeno[1,2,3-cd]pyrene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Dibenz[a,h]anthracene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[g,h,i]perylene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Surrogate: Nitrobenzene-d5			71.5 %	16.1-91.8		4010602	MS	08-Jan-14	8270C	
Surrogate: 2-Fluorobiphenyl			69.4 %	27.2-92.9		4010602	MS	08-Jan-14	8270C	
Surrogate: Terphenyl-d14			83.0 %	21.3-96.1		4010602	MS	08-Jan-14	8270C	

Green Analytical Laboratories

General Chemistry

Cyanide, Total	ND		1.00	mg/kg dry	100	B401044	KLJ	07-Jan-14	EPA9012 B	
% Dry Solids	98.4			%	1	B401041	LLG	07-Jan-14	EPA160.3	H2

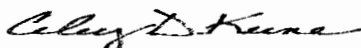
Soluble (DI Water Extraction)

Fluoride	18.0		4.00	mg/kg dry	20	B401043	ABP	07-Jan-14	4500-F- C	
Nitrate/Nitrite as N	1.34		0.205	mg/kg dry	5	B401073	KLJ	09-Jan-14	EPA353.2	
Nitrite as N	ND		0.100	mg/kg dry	5	B401084	KLJ	10-Jan-14	EPA353.2	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 1
H303157-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Copper	5.71		2.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	
Iron	3360		5.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	
Zinc	21.6		5.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	

Total Metals by ICPMS

Arsenic	3.84		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Barium	174		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Cadmium	0.340		0.100	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Chromium	4.32		1.00	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Lead	0.894		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Manganese	33.7		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Uranium	0.978		0.100	mg/kg dry	1000	B401054	Admin	08-Jan-14	6020 A	

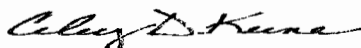
Total Mercury by CVAA

Mercury	ND		0.101	mg/kg dry	495	B401097	JGS	13-Jan-14	EPA7471	
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* = Accredited Analyte

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Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 2 H303157-02 (Soil)

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

Inorganic Compounds

Chloride	ND		16.0	mg/kg	4	4012209	AP	23-Jan-14	4500-Cl-B	
pH*	8.06		0.100	pH Units	1	4011303	AP	16-Jan-14	150.1	
Phenols	ND		2.5	mg/kg dry wt.	1	4012408	CK	22-Jan-14	EPA9065	GAL
Sulfate	ND		100	mg/kg	10	4012405	AP	24-Jan-14	375.4	

Radionuclides

SUB-RS

Radium-226	0.6 ± 0.1			pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	
Radium-228	ND		0.40	pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	
Total Radium	0.6 ± 0.1			pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3123103	ms	03-Jan-14	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3123103	ms	03-Jan-14	8015B	
Surrogate: 1-Chlorooctane			90.0 %	65.2-140		3123103	ms	03-Jan-14	8015B	
Surrogate: 1-Chlorooctadecane			85.0 %	63.6-154		3123103	ms	03-Jan-14	8015B	

PCBs BY GC/ECD

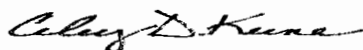
SUB-SS

PCB 1016	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1221	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1232	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1242	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1248	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1254	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1260	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
Surrogate: Tetrachloro-meta-xylene			64.5 %	35-140		4012410	CK	08-Jan-14	8082	

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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

CELL J - 2
H303157-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1-Dichloroethene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Methylene chloride*	ND		0.250	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1-Dichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Chloroform*	ND		0.100	mg/kg	50	4010606	MS	06-Jan-14	8260	
Carbon tetrachloride*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1,1-Trichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Benzene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,2-Dichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Trichloroethene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Toluene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Tetrachloroethene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1,2-Trichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,2-Dibromoethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Ethylbenzene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
m-p Xylenes*	ND		0.100	mg/kg	50	4010606	MS	06-Jan-14	8260	
o-Xylene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Total Xylenes*	ND		0.150	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1,2,2-Tetrachloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Naphthalene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Surrogate: Dibromofluoromethane			104 %	70-130		4010606	MS	06-Jan-14	8260	
Surrogate: Toluene-d8			92.2 %	70-130		4010606	MS	06-Jan-14	8260	
Surrogate: 4-Bromofluorobenzene			98.5 %	70-130		4010606	MS	06-Jan-14	8260	

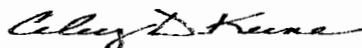
Semivolatile Organic Compounds by GCMS

Naphthalene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
2-Methylnaphthalene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
1-Methylnaphthalene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Acenaphthylene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 2 H303157-02 (Soil)

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

Semivolatile Organic Compounds by GCMS

Acenaphthene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Fluorene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Phenanthrene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Anthracene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Carbazole	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Fluoranthene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Pyrene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Chrysene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[b]fluoranthene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Surrogate: Nitrobenzene-d5		68.8 %	16.1-91.8		4010602	MS	08-Jan-14	8270C	
Surrogate: 2-Fluorobiphenyl		68.8 %	27.2-92.9		4010602	MS	08-Jan-14	8270C	
Surrogate: Terphenyl-d14		90.8 %	21.3-96.1		4010602	MS	08-Jan-14	8270C	

Green Analytical Laboratories

General Chemistry

Cyanide, Total	ND	1.00	mg/kg dry	100	B401044	KLJ	07-Jan-14	EPA9012 B	
% Dry Solids	96.3		%	1	B401041	LLG	07-Jan-14	EPA160.3	H2

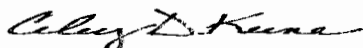
Soluble (DI Water Extraction)

Fluoride	15.4	1.60	mg/kg dry	8	B401043	ABP	07-Jan-14	4500-F- C	
Nitrate/Nitrite as N	0.706	0.205	mg/kg dry	5	B401073	KLJ	09-Jan-14	EPA353.2	
Nitrite as N	ND	0.100	mg/kg dry	5	B401084	KLJ	10-Jan-14	EPA353.2	

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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

CELL J - 2
H303157-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Copper	5.42		2.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	
Iron	3770		5.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	
Zinc	22.1		5.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	

Total Metals by ICPMS

Arsenic	3.40		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Barium	145		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Cadmium	0.326		0.100	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Chromium	4.53		1.00	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Lead	1.03		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Manganese	36.6		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Uranium	0.936		0.100	mg/kg dry	1000	B401054	Admin	08-Jan-14	6020 A	

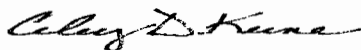
Total Mercury by CVAA

Mercury	ND		0.107	mg/kg dry	515	B401097	JGS	13-Jan-14	EPA7471	
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Cardinal Laboratories

* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 3
H303157-03 (Soil)

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

Chloride	ND		16.0	mg/kg	4	4012209	AP	23-Jan-14	4500-Cl-B	
pH*	7.63		0.100	pH Units	1	4011303	AP	16-Jan-14	150.1	
Phenols	ND		2.5	mg/kg dry wt.	1	4012408	CK	22-Jan-14	EPA9065	GAL
Sulfate	ND		40.0	mg/kg	4	4012405	AP	24-Jan-14	375.4	

Radionuclides
SUB-RS

Radium-226	ND		0.30	pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	
Radium-228	ND		0.40	pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	
Total Radium	ND		0.40	pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	3123103	ms	01-Jan-14	8015B	
DRO >C10-C28	ND		10.0	mg/kg	1	3123103	ms	01-Jan-14	8015B	
Surrogate: 1-Chlorooctane			100 %	65.2-140		3123103	ms	01-Jan-14	8015B	
Surrogate: 1-Chlorooctadecane			105 %	63.6-154		3123103	ms	01-Jan-14	8015B	

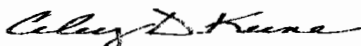
PCBs BY GC/ECD
SUB-SS

PCB 1016	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1221	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1232	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1242	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1248	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1254	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1260	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
Surrogate: Tetrachloro-meta-xylene			70.5 %	35-140		4012410	CK	08-Jan-14	8082	

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 3 H303157-03 (Soil)

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

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1-Dichloroethene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Methylene chloride*	ND		0.250	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1-Dichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Chloroform*	ND		0.100	mg/kg	50	4010606	MS	06-Jan-14	8260	
Carbon tetrachloride*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1,1-Trichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Benzene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,2-Dichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Trichloroethene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Toluene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Tetrachloroethene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1,2-Trichloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,2-Dibromoethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Ethylbenzene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
m-p Xylenes*	ND		0.100	mg/kg	50	4010606	MS	06-Jan-14	8260	
o-Xylene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Total Xylenes*	ND		0.150	mg/kg	50	4010606	MS	06-Jan-14	8260	
1,1,2,2-Tetrachloroethane*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Naphthalene*	ND		0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260	
Surrogate: Dibromofluoromethane			100 %	70-130		4010606	MS	06-Jan-14	8260	
Surrogate: Toluene-d8			92.0 %	70-130		4010606	MS	06-Jan-14	8260	
Surrogate: 4-Bromofluorobenzene			97.2 %	70-130		4010606	MS	06-Jan-14	8260	

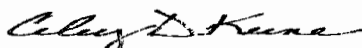
Semivolatile Organic Compounds by GCMS

Naphthalene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
2-Methylnaphthalene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
1-Methylnaphthalene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Acenaphthylene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 3
H303157-03 (Soil)

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

Acenaphthene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Fluorene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Phenanthrene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Anthracene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Carbazole	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Fluoranthene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Pyrene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[a]anthracene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Chrysene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[b]fluoranthene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[k]fluoranthene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[a]pyrene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Indeno[1,2,3-cd]pyrene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Dibenz[a,h]anthracene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[g,h,i]perylene	ND		0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Surrogate: Nitrobenzene-d5			64.0 %	16.1-91.8		4010602	MS	08-Jan-14	8270C	
Surrogate: 2-Fluorobiphenyl			64.9 %	27.2-92.9		4010602	MS	08-Jan-14	8270C	
Surrogate: Terphenyl-d14			78.8 %	21.3-96.1		4010602	MS	08-Jan-14	8270C	

Green Analytical Laboratories
General Chemistry

Cyanide, Total	ND		1.00	mg/kg dry	100	B401044	KLJ	07-Jan-14	EPA9012 B	
% Dry Solids	99.4			%	1	B401041	LLG	07-Jan-14	EPA160.3	H2

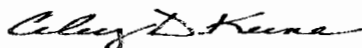
Soluble (DI Water Extraction)

Fluoride	ND		0.800	mg/kg dry	4	B401043	ABP	07-Jan-14	4500-F- C	
Nitrate/Nitrite as N	7.50		0.205	mg/kg dry	5	B401073	KLJ	09-Jan-14	EPA353.2	
Nitrite as N	0.194		0.100	mg/kg dry	5	B401084	KLJ	10-Jan-14	EPA353.2	

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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

CELL J - 3
H303157-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Copper	4.75		2.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	
Iron	2040		5.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	
Zinc	6.70		5.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	

Total Metals by ICPMS

Arsenic	0.750		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Barium	12.1		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Cadmium	0.129		0.100	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Chromium	1.78		1.00	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Lead	0.955		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Manganese	23.3		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Uranium	ND		0.100	mg/kg dry	1000	B401054	Admin	08-Jan-14	6020 A	


Total Mercury by CVAA

Mercury	ND		0.0966	mg/kg dry	480	B401097	JGS	13-Jan-14	EPA7471	
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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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 4
H303157-04 (Soil)

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

Chloride	ND		16.0	mg/kg	4	4012209	AP	23-Jan-14	4500-Cl-B	
pH*	7.86		0.100	pH Units	1	4011304	AP	16-Jan-14	150.1	
Phenols	7.3		2.5	mg/kg dry wt.	1	4012408	CK	22-Jan-14	EPA9065	GAL
Sulfate	ND		100	mg/kg	10	4012405	AP	24-Jan-14	375.4	

Radionuclides
SUB-RS

Radium-226	ND		0.30	pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	
Radium-228	ND		0.50	pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	
Total Radium	ND		0.50	pCi/gram	1	4012409	CK	16-Jan-14	GammaRay HPGE	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND		10.0	mg/kg	1	4010215	ms	02-Jan-14	8015B	
DRO >C10-C28	ND		20.0	mg/kg	1	4010215	ms	02-Jan-14	8015B	
Surrogate: 1-Chlorooctane			87.9 %	65.2-140		4010215	ms	02-Jan-14	8015B	
Surrogate: 1-Chlorooctadecane			84.9 %	63.6-154		4010215	ms	02-Jan-14	8015B	

PCBs BY GC/ECD
SUB-SS

PCB 1016	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1221	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1232	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1242	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1248	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1254	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
PCB 1260	ND		10.0	ug/kg	1	4012410	CK	08-Jan-14	8082	
Surrogate: Tetrachloro-meta-xylene			68.7 %	35-140		4012410	CK	08-Jan-14	8082	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 4 H303157-04 (Soil)

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

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Methylene chloride*	ND	0.250	mg/kg	50	4010606	MS	06-Jan-14	8260
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Chloroform*	ND	0.100	mg/kg	50	4010606	MS	06-Jan-14	8260
Carbon tetrachloride*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Benzene*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Trichloroethene*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Toluene*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Tetrachloroethene*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
1,1,2-Trichloroethane*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Ethylbenzene*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
m-p Xylenes*	ND	0.100	mg/kg	50	4010606	MS	06-Jan-14	8260
o-Xylene*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Total Xylenes*	ND	0.150	mg/kg	50	4010606	MS	06-Jan-14	8260
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Naphthalene*	ND	0.0500	mg/kg	50	4010606	MS	06-Jan-14	8260
Surrogate: Dibromofluoromethane		102 %	70-130		4010606	MS	06-Jan-14	8260
Surrogate: Toluene-d8		93.3 %	70-130		4010606	MS	06-Jan-14	8260
Surrogate: 4-Bromofluorobenzene		101 %	70-130		4010606	MS	06-Jan-14	8260

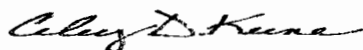
Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C
2-Methylnaphthalene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C
1-Methylnaphthalene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C
Acenaphthylene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 4 H303157-04 (Soil)

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

Semivolatile Organic Compounds by GC/MS

Acenaphthene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Fluorene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Phenanthrene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Anthracene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Carbazole	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Fluoranthene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Pyrene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Chrysene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[b]fluoranthene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	4010602	MS	08-Jan-14	8270C	
Surrogate: Nitrobenzene-d5		72.2 %	16.1-91.8		4010602	MS	08-Jan-14	8270C	
Surrogate: 2-Fluorobiphenyl		72.7 %	27.2-92.9		4010602	MS	08-Jan-14	8270C	
Surrogate: Terphenyl-d14		88.0 %	21.3-96.1		4010602	MS	08-Jan-14	8270C	

Green Analytical Laboratories

General Chemistry

Cyanide, Total	ND	1.00	mg/kg dry	100	B401044	KLJ	07-Jan-14	EPA9012 B	
% Dry Solids	98.5		%	1	B401041	LLG	07-Jan-14	EPA160.3	H2

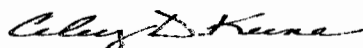
Soluble (DI Water Extraction)

Fluoride	7.56	0.800	mg/kg dry	4	B401043	ABP	07-Jan-14	4500-F-C	
Nitrate/Nitrite as N	1.51	0.205	mg/kg dry	5	B401073	KLJ	09-Jan-14	EPA353.2	
Nitrite as N	ND	0.100	mg/kg dry	5	B401084	KLJ	10-Jan-14	EPA353.2	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

CELL J - 4
H303157-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories

Total Metals by ICP

Copper	5.36		2.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	
Iron	2960		5.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	
Zinc	18.9		5.00	mg/kg dry	100	B401111	JGS	14-Jan-14	EPA6010 B	

Total Metals by ICPMS

Arsenic	2.09		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Barium	81.1		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Cadmium	0.231		0.100	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Chromium	3.85		1.00	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Lead	0.941		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Manganese	29.4		0.500	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Selenium	ND		1.00	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Silver	ND		0.100	mg/kg dry	1000	B401054	JGS	08-Jan-14	6020 A	
Uranium	0.412		0.100	mg/kg dry	1000	B401054	Admin	08-Jan-14	6020 A	

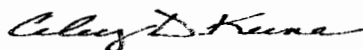
Total Mercury by CVAA

Mercury	ND		0.100	mg/kg dry	495	B401097	JGS	13-Jan-14	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) VI
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

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 4011303 - NO PREP
LCS (4011303-BS1)

Prepared & Analyzed: 13-Jan-14

pH	7.06		pH Units	7.00		101	90-110			
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Duplicate (4011303-DUP1)

Source: H303118-01

Prepared & Analyzed: 13-Jan-14

pH	6.95	0.100	pH Units	6.85		1.45	20			
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Batch 4011304 - NO PREP
LCS (4011304-BS1)

Prepared & Analyzed: 13-Jan-14

pH	7.12		pH Units	7.00		102	90-110			
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Duplicate (4011304-DUP1)

Source: H303157-04

Prepared: 13-Jan-14 Analyzed: 16-Jan-14

pH	7.93	0.100	pH Units	7.86		0.887	20			
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Batch 4012209 - 1:4 DI Water
Blank (4012209-BLK1)

Prepared & Analyzed: 22-Jan-14

Chloride	ND	16.0	mg/kg							
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LCS (4012209-BS1)

Prepared & Analyzed: 22-Jan-14

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (4012209-BSD1)

Prepared & Analyzed: 22-Jan-14

Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
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Batch 4012405 - General Prep - Wet Chem
Blank (4012405-BLK1)

Prepared & Analyzed: 24-Jan-14

Sulfate	ND	10.0	mg/kg							
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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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

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 4012405 - General Prep - Wet Chem
LCS (4012405-BS1)

Prepared & Analyzed: 24-Jan-14

Sulfate	19.4	10.0	mg/kg	20.0	97.0	80-120
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LCS Dup (4012405-BS1)

Prepared & Analyzed: 24-Jan-14

Sulfate	20.3	10.0	mg/kg	20.0	101	80-120	4.44	20
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Batch 4012408 - General Prep
Blank (4012408-BLK1)

Prepared & Analyzed: 22-Jan-14

Phenols	ND	0.5	mg/kg dry wt.
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LCS (4012408-BS1)

Prepared & Analyzed: 22-Jan-14

Phenols	0.4		mg/kg	0.400	101	70-130
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Matrix Spike (4012408-MS1)

Source: H303157-01

Prepared & Analyzed: 22-Jan-14

Phenols	20.5		mg/kg	20.3	0.0	101	70-130
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Matrix Spike Dup (4012408-MSD1)

Source: H303157-01

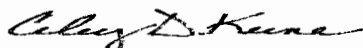
Prepared & Analyzed: 22-Jan-14

Phenols	21.1		mg/kg	20.3	0.0	104	70-130	2.88	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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3123103 - General Prep - Organics
Blank (3123103-BLK1)

Prepared: 31-Dec-13 Analyzed: 03-Jan-14

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	49.3		mg/kg	50.0		98.6	65.2-140		
Surrogate: 1-Chlorooctadecane	47.2		mg/kg	50.0		94.5	63.6-154		

LCS (3123103-BS1)

Prepared: 31-Dec-13 Analyzed: 01-Jan-14

GRO C6-C10	186	10.0	mg/kg	200		92.8	66.4-124		
DRO >C10-C28	206	10.0	mg/kg	200		103	61.6-132		
Total TPH C6-C28	391	10.0	mg/kg	400		97.8	69.7-122		
Surrogate: 1-Chlorooctane	62.8		mg/kg	50.0		126	65.2-140		
Surrogate: 1-Chlorooctadecane	59.3		mg/kg	50.0		119	63.6-154		

LCS Dup (3123103-BSD1)

Prepared: 31-Dec-13 Analyzed: 01-Jan-14

GRO C6-C10	181	10.0	mg/kg	200		90.3	66.4-124	2.69	23.4
DRO >C10-C28	200	10.0	mg/kg	200		100	61.6-132	2.71	23.1
Total TPH C6-C28	381	10.0	mg/kg	400		95.2	69.7-122	2.70	20.6
Surrogate: 1-Chlorooctane	60.5		mg/kg	50.0		121	65.2-140		
Surrogate: 1-Chlorooctadecane	59.2		mg/kg	50.0		118	63.6-154		

Batch 4010215 - General Prep - Organics
Blank (4010215-BLK1)

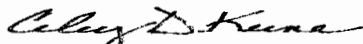
Prepared & Analyzed: 02-Jan-14

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	53.9		mg/kg	50.0		108	65.2-140		
Surrogate: 1-Chlorooctadecane	56.5		mg/kg	50.0		113	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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4010215 - General Prep - Organics
LCS (4010215-BS1)

Prepared & Analyzed: 02-Jan-14

GRO C6-C10	200	10.0	mg/kg	200		100	66.4-124		
DRO >C10-C28	208	10.0	mg/kg	200		104	61.6-132		
Total TPH C6-C28	408	10.0	mg/kg	400		102	69.7-122		
Surrogate: 1-Chlorooctane	63.1		mg/kg	50.0		126	65.2-140		
Surrogate: 1-Chlorooctadecane	63.4		mg/kg	50.0		127	63.6-154		

LCS Dup (4010215-BSD1)

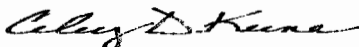
Prepared: 02-Jan-14 Analyzed: 03-Jan-14

GRO C6-C10	215	10.0	mg/kg	200		107	66.4-124	6.88	23.4
DRO >C10-C28	208	10.0	mg/kg	200		104	61.6-132	0.0860	23.1
Total TPH C6-C28	423	10.0	mg/kg	400		106	69.7-122	3.48	20.6
Surrogate: 1-Chlorooctane	85.6		mg/kg	100		85.6	65.2-140		
Surrogate: 1-Chlorooctadecane	96.6		mg/kg	100		96.6	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

PCBs BY GC/ECD - 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 4012410 - General Prep

Blank (4012410-BLK1)

Prepared: 03-Jan-14 Analyzed: 08-Jan-14

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							

Surrogate: Tetrachloro-meta-xylene 7.29 ug/L 10.0 72.9 35-140

LCS (4012410-BS1)

Prepared: 03-Jan-14 Analyzed: 08-Jan-14

PCB 1016	66.4		ug/L	100		66.4	40-130			
PCB 1260	76.3		ug/L	100		76.3	40-130			

Surrogate: Tetrachloro-meta-xylene 6.69 ug/L 10.0 66.9 35-140

Matrix Spike (4012410-MS1)

Source: H303157-01

Prepared: 03-Jan-14 Analyzed: 08-Jan-14

PCB 1016	67.5		ug/L	100	ND	67.5	40-130			
PCB 1260	60.0		ug/L	100	ND	60.0	40-130			

Surrogate: Tetrachloro-meta-xylene 6.65 ug/L 10.0 66.5 35-140

Matrix Spike Dup (4012410-MSD1)

Source: H303157-01

Prepared: 03-Jan-14 Analyzed: 08-Jan-14

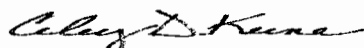
PCB 1016	97.8		ug/L	100	ND	97.8	40-130	36.7	30	QR-02
PCB 1260	79.9		ug/L	100	ND	79.9	40-130	28.4	30	

Surrogate: Tetrachloro-meta-xylene 8.57 ug/L 10.0 85.7 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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

Volatile Organic Compounds by EPA Method 8260B - 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 4010606 - Volatiles
Blank (4010606-BLK1)

Prepared & Analyzed: 06-Jan-14

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	0.500		mg/kg	0.500		100	70-130			
Surrogate: Toluene-d8	0.464		mg/kg	0.500		92.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.487		mg/kg	0.500		97.3	70-130			

LCS (4010606-BS1)

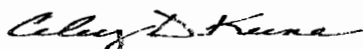
Prepared & Analyzed: 06-Jan-14

Vinyl chloride	1.81	0.0500	mg/kg	2.00		90.7	70-130			
1,1-Dichloroethene	2.32	0.0500	mg/kg	2.00		116	70-130			
Methylene chloride	1.67	0.0500	mg/kg	2.00		83.7	70-130			
1,1-Dichloroethane	1.65	0.0500	mg/kg	2.00		82.6	70-130			
Chloroform	1.92	0.0500	mg/kg	2.00		96.2	70-130			
Carbon tetrachloride	2.05	0.0500	mg/kg	2.00		103	70-130			
1,1,1-Trichloroethane	1.93	0.0500	mg/kg	2.00		96.4	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

Volatile Organic Compounds by EPA Method 8260B - 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 4010606 - Volatiles
LCS (4010606-BS1)

Prepared & Analyzed: 06-Jan-14

Benzene	1.85	0.0500	mg/kg	2.00		92.7	70-130			
1,2-Dichloroethane	1.54	0.0500	mg/kg	2.00		76.8	70-130			
Trichloroethene	1.99	0.0500	mg/kg	2.00		99.6	70-130			
Toluene	1.91	0.0500	mg/kg	2.00		95.3	70-130			
Tetrachloroethene	2.21	0.0500	mg/kg	2.00		111	70-130			
1,1,2-Trichloroethane	1.70	0.0500	mg/kg	2.00		85.2	70-130			
1,2-Dibromoethane	1.97	0.0500	mg/kg	2.00		98.7	70-130			
Ethylbenzene	1.94	0.0500	mg/kg	2.00		97.0	70-130			
m-p Xylenes	3.81	0.100	mg/kg				70-130			
o-Xylene	1.86	0.0500	mg/kg	2.00		93.2	70-130			
Total Xylenes	5.67	0.150	mg/kg	6.00		94.6	70-130			
1,1,2,2-Tetrachloroethane	1.66	0.0500	mg/kg	2.00		83.2	70-130			
Naphthalene	1.87	0.0500	mg/kg	2.00		93.3	70-130			
Surrogate: Dibromofluoromethane	0.503		mg/kg	0.500		101	70-130			
Surrogate: Toluene-d8	0.459		mg/kg	0.500		91.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.490		mg/kg	0.500		97.9	70-130			

LCS Dup (4010606-BSD1)

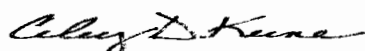
Prepared & Analyzed: 06-Jan-14

Vinyl chloride	1.92	0.0500	mg/kg	2.00		96.0	70-130	5.75	20	
1,1-Dichloroethene	2.41	0.0500	mg/kg	2.00		121	70-130	4.05	20	
Methylene chloride	1.80	0.0500	mg/kg	2.00		89.9	70-130	7.23	20	
1,1-Dichloroethane	1.76	0.0500	mg/kg	2.00		88.0	70-130	6.39	20	
Chloroform	2.04	0.0500	mg/kg	2.00		102	70-130	6.06	20	
Carbon tetrachloride	2.18	0.0500	mg/kg	2.00		109	70-130	5.97	20	
1,1,1-Trichloroethane	2.07	0.0500	mg/kg	2.00		104	70-130	7.09	20	
Benzene	1.97	0.0500	mg/kg	2.00		98.7	70-130	6.31	20	
1,2-Dichloroethane	1.64	0.0500	mg/kg	2.00		81.9	70-130	6.52	20	
Trichloroethene	2.09	0.0500	mg/kg	2.00		104	70-130	4.60	20	
Toluene	1.97	0.0500	mg/kg	2.00		98.4	70-130	3.28	20	
Tetrachloroethene	2.31	0.0500	mg/kg	2.00		115	70-130	4.12	20	
1,1,2-Trichloroethane	1.77	0.0500	mg/kg	2.00		88.6	70-130	3.92	20	
1,2-Dibromoethane	2.07	0.0500	mg/kg	2.00		103	70-130	4.65	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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

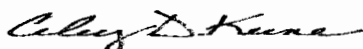
Volatile Organic Compounds by EPA Method 8260B - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4010606 - Volatiles										
LCS Dup (4010606-BSD1)										
Prepared & Analyzed: 06-Jan-14										
Ethylbenzene	2.02	0.0500	mg/kg	2.00		101	70-130	3.80	20	
m-p Xylenes	3.98	0.100	mg/kg				70-130	4.39	20	
o-Xylene	1.92	0.0500	mg/kg	2.00		96.2	70-130	3.16	20	
Total Xylenes	5.91	0.150	mg/kg	6.00		98.4	70-130	3.99	20	
1,1,2,2-Tetrachloroethane	1.68	0.0500	mg/kg	2.00		83.9	70-130	0.768	20	
Naphthalene	1.89	0.0500	mg/kg	2.00		94.4	70-130	1.20	20	
Surrogate: Dibromofluoromethane	0.518		mg/kg	0.500		104	70-130			
Surrogate: Toluene-d8	0.455		mg/kg	0.500		91.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.493		mg/kg	0.500		98.6	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

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 4010602 - SW846-3510

Blank (4010602-BLK1)

Prepared: 06-Jan-14 Analyzed: 08-Jan-14

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	1.40		mg/kg	2.00		70.2	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	1.35		mg/kg	2.00		67.6	27.2-92.9			
Surrogate: Terphenyl-d14	1.71		mg/kg	2.00		85.7	21.3-96.1			

LCS (4010602-BS1)

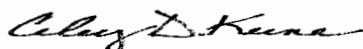
Prepared: 06-Jan-14 Analyzed: 08-Jan-14

Naphthalene	0.317	0.040	mg/kg	0.400		79.4	5.46-157			
2-Methylnaphthalene	0.353	0.040	mg/kg	0.400		88.3	16.1-146			
Acenaphthylene	0.336	0.040	mg/kg	0.400		84.0	21.6-144			
Acenaphthene	0.335	0.040	mg/kg	0.400		83.7	27-143			
Fluorene	0.349	0.040	mg/kg	0.400		87.3	30.9-138			
Phenanthrene	0.344	0.040	mg/kg	0.400		85.9	38.6-149			
Anthracene	0.335	0.040	mg/kg	0.400		83.7	36.1-149			
Carbazole	0.334	0.040	mg/kg	0.400		83.4	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

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 4010602 - SW846-3510

LCS (4010602-BS1)

Prepared: 06-Jan-14 Analyzed: 08-Jan-14

Fluoranthene	0.353	0.040	mg/kg	0.400		88.1	34.6-148			
Pyrene	0.344	0.040	mg/kg	0.400		86.0	24.8-154			
Benzo[a]anthracene	0.316	0.040	mg/kg	0.400		78.9	0-179			
Chrysene	0.331	0.040	mg/kg	0.400		82.8	35.1-150			
Benzo[b]fluoranthene	0.297	0.040	mg/kg	0.400		74.1	17.6-158			
Benzo[k]fluoranthene	0.316	0.040	mg/kg	0.400		78.9	10.6-169			
Benzo[a]pyrene	0.305	0.040	mg/kg	0.400		76.2	2.25-166			
Indeno[1,2,3-cd]pyrene	0.482	0.040	mg/kg	0.400		120	0-181			
Dibenz[a,h]anthracene	0.477	0.040	mg/kg	0.400		119	2.49-177			
Benzo[g,h,i]perylene	0.527	0.040	mg/kg	0.400		132	0-173			
Surrogate: Nitrobenzene-d5	1.60		mg/kg	2.00		80.2	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	1.53		mg/kg	2.00		76.5	27.2-92.9			
Surrogate: Terphenyl-d4	1.75		mg/kg	2.00		87.3	21.3-96.1			

LCS Dup (4010602-BSD1)

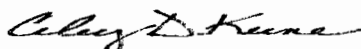
Prepared: 06-Jan-14 Analyzed: 08-Jan-14

Naphthalene	0.312	0.040	mg/kg	0.400		78.0	5.46-157	1.74	6.7	
2-Methylnaphthalene	0.349	0.040	mg/kg	0.400		87.1	16.1-146	1.29	8.99	
Acenaphthylene	0.328	0.040	mg/kg	0.400		82.1	21.6-144	2.36	14.6	
Acenaphthene	0.342	0.040	mg/kg	0.400		85.6	27-143	2.17	6.99	
Fluorene	0.355	0.040	mg/kg	0.400		88.9	30.9-138	1.81	13.9	
Phenanthrene	0.341	0.040	mg/kg	0.400		85.3	38.6-149	0.683	14.6	
Anthracene	0.334	0.040	mg/kg	0.400		83.4	36.1-149	0.416	18.5	
Carbazole	0.309	0.040	mg/kg	0.400		77.3	29.8-144	7.64	23.4	
Fluoranthene	0.342	0.040	mg/kg	0.400		85.4	34.6-148	3.11	19.7	
Pyrene	0.352	0.040	mg/kg	0.400		88.0	24.8-154	2.22	23	
Benzo[a]anthracene	0.316	0.040	mg/kg	0.400		79.0	0-179	0.171	32.5	
Chrysene	0.324	0.040	mg/kg	0.400		80.9	35.1-150	2.29	19.4	
Benzo[b]fluoranthene	0.300	0.040	mg/kg	0.400		74.9	17.6-158	1.05	31.4	
Benzo[k]fluoranthene	0.305	0.040	mg/kg	0.400		76.2	10.6-169	3.43	44.6	
Benzo[a]pyrene	0.308	0.040	mg/kg	0.400		76.9	2.25-166	0.849	60.5	
Indeno[1,2,3-cd]pyrene	0.429	0.040	mg/kg	0.400		107	0-181	11.7	77	
Dibenz[a,h]anthracene	0.420	0.040	mg/kg	0.400		105	2.49-177	12.8	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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

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 4010602 - SW846-3510
LCS Dup (4010602-BSD1)

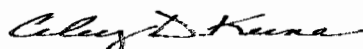
Prepared: 06-Jan-14 Analyzed: 08-Jan-14

Benzo[g,h,i]perylene	0.462	0.040	mg/kg	0.400		116	0-173	13.1	77.4	
Surrogate: Nitrobenzene-d5	1.59		mg/kg	2.00		79.5	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	1.50		mg/kg	2.00		75.2	27.2-92.9			
Surrogate: Terphenyl-d14	1.78		mg/kg	2.00		88.8	21.3-96.1			

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Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

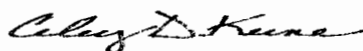
General Chemistry - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401044 - General Prep - Wet Chem										
Blank (B401044-BLK1)				Prepared & Analyzed: 07-Jan-14						
Cyanide, Total	ND	0.0100	mg/kg wet							
LCS (B401044-BS1)				Prepared & Analyzed: 07-Jan-14						
Cyanide, Total	0.0466	0.0100	mg/kg wet	0.0500		93.2	80-120			
LCS Dup (B401044-BSD1)				Prepared & Analyzed: 07-Jan-14						
Cyanide, Total	0.0486	0.0100	mg/kg wet	0.0500		97.2	80-120	4.20	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

Soluble (DI Water Extraction) - Quality Control

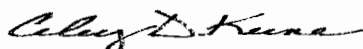
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401043 - General Prep - Wet Chem										
Blank (B401043-BLK1)				Prepared & Analyzed: 07-Jan-14						
Fluoride	ND	0.200	mg/kg wet							
LCS (B401043-BS1)				Prepared & Analyzed: 07-Jan-14						
Fluoride	1.06	0.200	mg/kg wet	1.00		106	85-115			
LCS Dup (B401043-BSD1)				Prepared & Analyzed: 07-Jan-14						
Fluoride	1.02	0.200	mg/kg wet	1.00		102	85-115	3.85	20	
Batch B401073 - General Prep - Wet Chem										
Blank (B401073-BLK1)				Prepared: 08-Jan-14 Analyzed: 09-Jan-14						
Nitrate/Nitrite as N	ND	0.205	mg/kg wet							
LCS (B401073-BS1)				Prepared: 08-Jan-14 Analyzed: 09-Jan-14						
Nitrate/Nitrite as N	2.89	0.205	mg/kg wet	2.50		115	80-120			
LCS Dup (B401073-BSD1)				Prepared: 08-Jan-14 Analyzed: 09-Jan-14						
Nitrate/Nitrite as N	2.74	0.205	mg/kg wet	2.50		110	80-120	5.16	20	
Batch B401084 - General Prep - Wet Chem										
Blank (B401084-BLK1)				Prepared: 09-Jan-14 Analyzed: 10-Jan-14						
Nitrite as N	ND	0.100	mg/kg wet							
LCS (B401084-BS1)				Prepared: 09-Jan-14 Analyzed: 10-Jan-14						
Nitrite as N	0.560	0.100	mg/kg wet	0.500		112	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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

Soluble (DI Water Extraction) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B401084 - General Prep - Wet Chem

LCS Dup (B401084-BSD1)

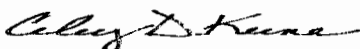
Prepared: 09-Jan-14 Analyzed: 10-Jan-14

Nitrite as N	0.555	0.100	mg/kg wet	0.500		111	80-120	0.897	20	
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 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50


Total Metals by ICP - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401111 - EPA 3050										
Blank (B401111-BLK1)										
Prepared & Analyzed: 14-Jan-14										
Iron	0.076	0.050	mg/kg dry							B1
Copper	0.040	0.020	mg/kg dry							B1
Zinc	ND	0.050	mg/kg dry							
LCS (B401111-BS1)										
Prepared & Analyzed: 14-Jan-14										
Zinc	1.80	0.050	mg/kg dry	2.00		89.8	85-115			
Copper	3.80	0.020	mg/kg dry	4.00		95.0	85-115			
Iron	3.86	0.050	mg/kg dry	4.00		96.5	85-115			
LCS Dup (B401111-BSD1)										
Prepared & Analyzed: 14-Jan-14										
Zinc	1.79	0.050	mg/kg dry	2.00		89.3	85-115	0.569	20	
Iron	3.81	0.050	mg/kg dry	4.00		95.2	85-115	1.34	20	
Copper	3.77	0.020	mg/kg dry	4.00		94.1	85-115	0.887	20	

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601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
24-Jan-14 15:50

Total Metals by ICPMS - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B401054 - EPA 3050M

Blank (B401054-BLK1)

Prepared & Analyzed: 08-Jan-14

Uranium	ND	0.0001	mg/kg dry							
Selenium	ND	0.0010	mg/kg dry							
Manganese	ND	0.0005	mg/kg dry							
Cadmium	ND	0.0001	mg/kg dry							
Arsenic	ND	0.0005	mg/kg dry							
Silver	ND	0.0001	mg/kg dry							
Chromium	ND	0.0010	mg/kg dry							
Lead	ND	0.0005	mg/kg dry							
Barium	ND	0.0005	mg/kg dry							

LCS (B401054-BS1)

Prepared & Analyzed: 08-Jan-14

Chromium	0.0513	0.0010	mg/kg dry	0.0500		103	85-115			
Cadmium	0.0539	0.0001	mg/kg dry	0.0500		108	85-115			
Silver	0.0522	0.0001	mg/kg dry	0.0500		104	85-115			
Barium	0.0506	0.0005	mg/kg dry	0.0500		101	85-115			
Selenium	0.282	0.0010	mg/kg dry	0.250		113	85-115			
Lead	0.0498	0.0005	mg/kg dry	0.0500		99.6	85-115			
Manganese	0.0481	0.0005	mg/kg dry	0.0500		96.2	85-115			
Arsenic	0.0540	0.0005	mg/kg dry	0.0500		108	85-115			
Uranium	0.0518	0.0001	mg/kg dry	0.0500		104	85-115			

LCS Dup (B401054-BSD1)

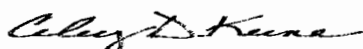
Prepared & Analyzed: 08-Jan-14

Chromium	0.0541	0.0010	mg/kg dry	0.0500		108	85-115	5.39	20	
Cadmium	0.0543	0.0001	mg/kg dry	0.0500		109	85-115	0.811	20	
Manganese	0.0526	0.0005	mg/kg dry	0.0500		105	85-115	9.00	20	
Barium	0.0517	0.0005	mg/kg dry	0.0500		103	85-115	2.17	20	
Arsenic	0.0526	0.0005	mg/kg dry	0.0500		105	85-115	2.64	20	
Selenium	0.279	0.0010	mg/kg dry	0.250		112	85-115	0.935	20	
Silver	0.0532	0.0001	mg/kg dry	0.0500		106	85-115	1.82	20	
Uranium	0.0520	0.0001	mg/kg dry	0.0500		104	85-115	0.474	20	
Lead	0.0501	0.0005	mg/kg dry	0.0500		100	85-115	0.498	20	

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Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 24-Jan-14 15:50

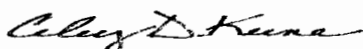
Total Mercury by CVAA - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401097 - EPA 7471										
Blank (B401097-BLK1)										
					Prepared & Analyzed: 13-Jan-14					
Mercury	ND	0.0002	mg/kg wet							
LCS (B401097-BS1)										
					Prepared & Analyzed: 13-Jan-14					
Mercury	0.0021	0.0002	mg/kg wet	0.00200		106	85-115			
LCS Dup (B401097-BSD1)										
					Prepared & Analyzed: 13-Jan-14					
Mercury	0.0022	0.0002	mg/kg wet	0.00200		108	85-115	1.78	20	

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Celey D. Keene, Lab Director/Quality Manager

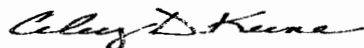
Notes and Definitions

Z-01a	0.6 ± 0.1
Z-01	0.5 ± 0.1
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.
H2	Sample analysis performed past hold time specified by the method.
GAL	Analysis subcontracted to Green Analytical Laboratories, a subsidiary of Cardinal Laboratories.
B1	Target analyte detected in method blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

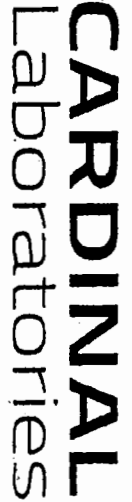
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 38 of 39

[illegible]

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 395-3326

#393-2326



(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

W
2
W

Company Name: Eddie Sany Consulting		P.O. #:	
Project Manager: Eddie Sany		Company:	
Address: Lee 1 W		City: Hobbs	
State: NM Zip: 88242		Altitude:	
Phone #: 2.2236 Fax #: 2.6949		Address: State	
Project #: CFC Project Owner: J. Cooper		City: State	
Project Name: CFC Lowflow (NM-01-0012)		State: Zip:	
Project Location: Monument DM Station 3		Phone #:	
Sample Name: Ellice Sany (Syr. Monitoring)		Fax #:	
FOR LAB USE ONLY		PRESERV. SAMPLING	
Lab I.D.	Sample I.D.	MATRIX	
		PRESERV. SAMPLING	
(GROUND OR COMPO.) # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		DATE	
		TIME	
C00 J-1 C00 J-2 C00 J-3 C00 J-4		12/30 3:10 12/30 3:35 12/30 3:35 12/30 3:40	BTEX TPH (8015) Chlorides Arsenic Barium Cadmium Cyanide Lead Mercury Silanum Silver PCB

PLEASE NOTE: Liability and Damages. Caretaker's liability and other's liability are limited to the amount paid by the client for the analysis. All claims including those for negligence and any other claims whatsoever shall be limited unless made in writing and received by Caretaker within 30 days after completion of the analysis. In no event shall Caretaker be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or assignees arising out of or related to the performance of services hereunder by Caretaker or its subsidiaries, affiliates or assignees. In no event shall Caretaker be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or assignees arising out of or related to the performance of services hereunder by Caretaker or its subsidiaries, affiliates or assignees.

Relinquished By: Eddie Sany	Date: 12/31	Received By: Eddie Sany
Relinquished By: Eddie Sany	Date: 12/31	Received By: Eddie Sany
Relinquished By: Eddie Sany	Date: 12/31	Received By: Eddie Sany
Relinquished By: Eddie Sany	Date: 12/31	Received By: Eddie Sany

Delivered By: (Circle One) **3.60**

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

Checked By: **Eddie Sany**

Phone Result: ☐ Yes ☐ No ☐ Add'l Phone #:

Fax Result: ☐ Yes ☐ No ☐ Add'l Fax #:

REMARKS:

C & C LANDFARM

NM-01-0012

BI-ANNUAL SAMPLING

SEPTEMBER 2013

September 3, 2013

RECEIVED OCD

2013 SEP -9 P 12:43

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

RE: C & C Landfarm (NM-01-0012)
Bi-Annual Sampling & 5 yr. Monitoring
Cell H

Mr. Jones:

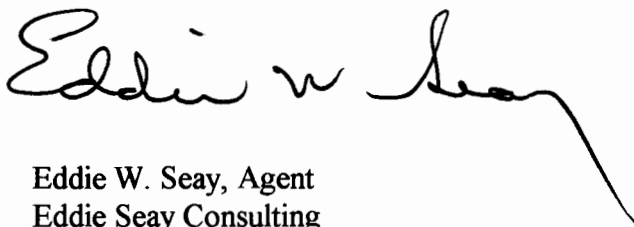
Find enclosed a copy of the bi-annual sampling for C & C Landfarm, Treatment zone samples, Vadose zone sampling and one cell for the five year monitoring.

All samples were taken and analyzed according to the guidelines set forth in Rule 36.

C & C continues to operate and maintain the landfarm as permit requires.

Should you have any questions or need additional information, 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

cc: C & C Landfarm

August 05, 2013

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

RE: C & C LANDFARM - TREATMENT ZONE

Enclosed are the results of analyses for samples received by the laboratory on 07/31/13 9:00.

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.

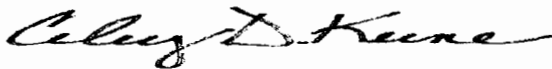
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 07/31/2013
 Reported: 08/05/2013
 Project Name: C & C LANDFARM - TREATMENT ZONE
 Project Number: NM-01-0012
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 07/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL A - T (H301803-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/01/2013	ND	432	108	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	19.3	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	95.7 %	65.2-140							
Surrogate: 1-Chlorooctadecane	121 %	63.6-154							

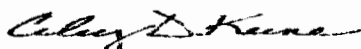
Sample ID: CELL B - T (H301803-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	51.3	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	93.1 %	65.2-140							
Surrogate: 1-Chlorooctadecane	117 %	63.6-154							

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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: 07/31/2013
 Reported: 08/05/2013
 Project Name: C & C LANDFARM - TREATMENT ZONE
 Project Number: NM-01-0012
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 07/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL C - T (H301803-03)

Chloride, SM4500C1-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	22.4	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	94.0 %	65.2-140							
Surrogate: 1-Chlorooctadecane	118 %	63.6-154							

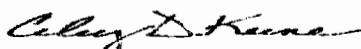
Sample ID: CELL D - T (H301803-04)

Chloride, SM4500C1-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	105	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	97.9 %	65.2-140							
Surrogate: 1-Chlorooctadecane	133 %	63.6-154							

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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: 07/31/2013
 Reported: 08/05/2013
 Project Name: C & C LANDFARM - TREATMENT ZONE
 Project Number: NM-01-0012
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 07/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL E - T (H301803-05)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	98.1	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	94.2 %	65.2-140							
Surrogate: 1-Chlorooctadecane	125 %	63.6-154							

Sample ID: CELL F - T (H301803-06)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	63.5	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	88.9 %	65.2-140							
Surrogate: 1-Chlorooctadecane	118 %	63.6-154							

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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: 07/31/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL G - T (H301803-07)

Chloride, SM4500C-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	<10.0	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	82.5 %	65.2-140							
Surrogate: 1-Chlorooctadecane	116 %	63.6-154							

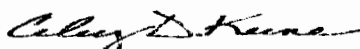
Sample ID: CELL H - T (H301803-08)

Chloride, SM4500C-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	291	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	88.9 %	65.2-140							
Surrogate: 1-Chlorooctadecane	118 %	63.6-154							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/31/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL I - T (H301803-09)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	98.4	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	92.4 %	65.2-140							
Surrogate: 1-Chlorooctadecane	122 %	63.6-154							

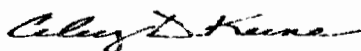
Sample ID: CELL J - T (H301803-10)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	195	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	93.9 %	65.2-140							
Surrogate: 1-Chlorooctadecane	137 %	63.6-154							

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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: 07/31/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL K - T (H301803-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	102	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	94.9 %	65.2-140							
Surrogate: 1-Chlorooctadecane	130 %	63.6-154							

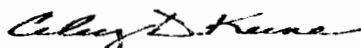
Sample ID: CELL L - T (H301803-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	109	10.0	08/03/2013	ND	198	98.9	200	1.23	
Surrogate: 1-Chlorooctane	85.1 %	65.2-140							
Surrogate: 1-Chlorooctadecane	123 %	63.6-154							

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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: 07/31/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - TREATMENT ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/30/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

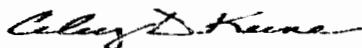
Sample ID: CELL M - T (H301803-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/02/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2013	ND	180	90.0	200	0.0806	
DRO >C10-C28	37.9	10.0	08/03/2013	ND	198	98.9	200	1.23	
<hr/>									
Surrogate: 1-Chlorooctane	89.9 %	65.2-140							
Surrogate: 1-Chlorooctadecane	118 %	63.6-154							

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* = Accredited Analyte

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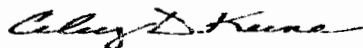
Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 10 of 11

Company Name: <u>Edie Seay Consulting</u>		P.O. #:							
Project Manager: <u>Edie Seay</u>		Company:							
Address: <u>601 W ILLINOIS</u>		Attn:							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88242</u>		Address:							
Phone #: <u>2-2236</u> Fax #: <u>2-4949</u>		City:							
Project #: <u>C+C</u> Project Owner: <u>J. Cooper</u>		State: <u>NM</u> Zip: <u>88242</u>							
Project Name: <u>C+C Land Farm (NM-01-032)</u>		Phone #:							
Project Location: <u>Monument NM Sect 3</u>		Fax #:							
Sampler Name: <u>Edie Seay (Treatment Zone)</u>									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH	Cal
H301803									
1	Cell A - T	✓	✓	✓	✓	7/30	10:40	✓	✓
2	Cell B - T	✓	✓	✓	✓	7/30	11:05	✓	✓
3	Cell C - T	✓	✓	✓	✓	7/30	11:30	✓	✓
4	Cell D - T	✓	✓	✓	✓	7/30	12:00	✓	✓
5	Cell E - T	✓	✓	✓	✓	7/30	2:15	✓	✓
6	Cell F - T	✓	✓	✓	✓	7/30	2:50	✓	✓
7	Cell G - T	✓	✓	✓	✓	7/30	3:30	✓	✓
8	Cell H - T	✓	✓	✓	✓	7/30	3:55	✓	✓
9	Cell I - T	✓	✓	✓	✓	7/30	4:20	✓	✓

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Relinquished By: <u>Edie Seay</u>	Date: <u>7/31</u>	Received By: <u>Wade Henson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>9am</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)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool Intact	<u>Wade Henson</u>		
	<input type="checkbox"/> Yes <input type="checkbox"/> No			

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


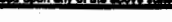


Page 11 of 11

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Relinquished By: 		Date: 7/31 Time: 9am Received By: Jodi Henson		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: _____	
Relinquished By: _____		Date: _____ Time: _____ Received By: _____			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact 4.8°C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 	

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

394-2326
#51

August 05, 2013

Eddie Seay

Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

RE: C & C LANDFARM - VADOSE ZONE

Enclosed are the results of analyses for samples received by the laboratory on 07/30/13 9:00.

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.

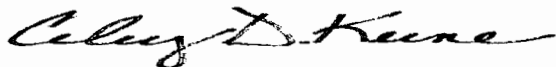
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL A - V (H301787-01)

BTX 80218		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	2.04	102	2.00	2.20	
Toluene*	<0.050	0.050	08/01/2013	ND	2.05	102	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.15	108	2.00	0.897	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.63	110	6.00	1.41	
Total BTX	<0.300	0.300	08/01/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

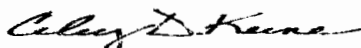
Surrogate: 1-Chlorooctane 83.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

Cardinal Laboratories

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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: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL B - V (H301787-02)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	2.04	102	2.00	2.20	
Toluene*	<0.050	0.050	08/01/2013	ND	2.05	102	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.15	108	2.00	0.897	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.63	110	6.00	1.41	
Total BTEX	<0.300	0.300	08/01/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

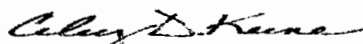
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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***=Accredited Analyte**

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Celestine 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: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL C - V (H301787-03)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	2.04	102	2.00	2.20	
Toluene*	<0.050	0.050	08/01/2013	ND	2.05	102	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.15	108	2.00	0.897	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.63	110	6.00	1.41	
Total BTEX	<0.300	0.300	08/01/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

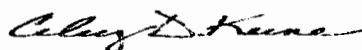
Surrogate: 1-Chlorooctane 87.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/30/2013
 Reported: 08/05/2013
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NM-01-0012
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 07/29/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL D - V (H301787-04)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	2.04	102	2.00	2.20	
Toluene*	<0.050	0.050	08/01/2013	ND	2.05	102	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.15	108	2.00	0.897	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.63	110	6.00	1.41	
Total BTEX	<0.300	0.300	08/01/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

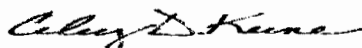
Surrogate: 1-Chlorooctane 83.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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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: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL E - V (H301787-05)

BTEX 8021B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	2.04	102	2.00	2.20	
Toluene*	<0.050	0.050	08/01/2013	ND	2.05	102	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.15	108	2.00	0.897	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.63	110	6.00	1.41	
Total BTEX	<0.300	0.300	08/01/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

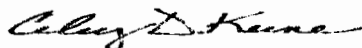
Surrogate: 1-Chlorooctane 92.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL F - V (H301787-06)
BTEX 80218
mg/kg
Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	1.99	99.6	2.00	0.870	
Toluene*	<0.100	0.100	08/01/2013	ND	1.94	97.1	2.00	0.758	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.10	102	6.00	1.72	
Total BTEX	<0.350	0.350	08/01/2013	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

Surrogate: 1-Chlorooctane 86.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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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: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL G - V (H301787-07)
BTEX 8021B
mg/kg
Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	1.99	99.6	2.00	0.870	
Toluene*	<0.050	0.050	08/01/2013	ND	1.94	97.1	2.00	0.758	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.10	102	6.00	1.72	
Total BTEX	<0.300	0.300	08/01/2013	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M
mg/kg
Analyzed By: MS

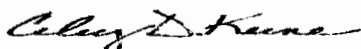
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

Surrogate: 1-Chlorooctane 83.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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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: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL I - V (H301787-08)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	1.99	99.6	2.00	0.870	
Toluene*	<0.050	0.050	08/01/2013	ND	1.94	97.1	2.00	0.758	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.10	102	6.00	1.72	
Total BTX	<0.300	0.300	08/01/2013	ND					

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

Chloride, SN4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

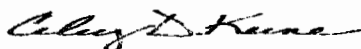
Surrogate: 1-Chlorooctane 91.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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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: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL J - V (H301787-09)

BTEX 8021B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	1.99	99.6	2.00	0.870	
Toluene*	<0.050	0.050	08/01/2013	ND	1.94	97.1	2.00	0.758	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.10	102	6.00	1.72	
Total BTEX	<0.300	0.300	08/01/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

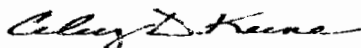
Surrogate: 1-Chlorooctane 86.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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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: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL K - V (H301787-10)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	1.99	99.6	2.00	0.870	
Toluene*	<0.050	0.050	08/01/2013	ND	1.94	97.1	2.00	0.758	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.10	102	6.00	1.72	
Total BTX	<0.300	0.300	08/01/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	


Surrogate: 1-Chlorooctane 84.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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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: 07/30/2013
Reported: 08/05/2013
Project Name: C & C LANDFARM - VADOSE ZONE
Project Number: NM-01-0012
Project Location: MONUMENT, NM SECT 3

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: CELL L - V (H301787-11)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	1.99	99.6	2.00	0.870	
Toluene*	<0.050	0.050	08/01/2013	ND	1.94	97.1	2.00	0.758	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.10	102	6.00	1.72	
Total BTX	<0.300	0.300	08/01/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

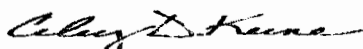
Surrogate: 1-Chlorooctane 83.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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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: 07/30/2013
 Reported: 08/05/2013
 Project Name: C & C LANDFARM - VADOSE ZONE
 Project Number: NM-01-0012
 Project Location: MONUMENT, NM SECT 3

 Sampling Date: 07/29/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: CELL M - V (H301787-12)

BTX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2013	ND	1.99	99.6	2.00	0.870	
Toluene*	<0.100	0.100	08/01/2013	ND	1.94	97.1	2.00	0.758	
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.02	101	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.10	102	6.00	1.72	
Total BTX	<0.350	0.350	08/01/2013	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	08/01/2013	ND	182	91.1	200	2.60	

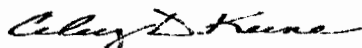
Surrogate: 1-Chlorooctane 89.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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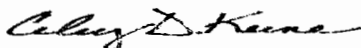
Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CH-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



Page 15 of 16

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

to (b) (5) 393-2
#54



2 of 2

Page 16 of 16

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

[illegible]

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

Relinquished By: <i>[Signature]</i> Date: <i>7/30</i> Time: <i>9am</i>		Received By: <i>Jodi Benson</i> Date: <i>7/30</i> Time: <i>9am</i>		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 #: REMARKS:	
Relinquished By: Date: Time:		Received By: Date: Time:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> <i>4°C</i>		CHECKED BY: <i>[Signature]</i> (Initials)	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 383-2320.

August 28, 2013

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

RE: C & C LANDFARM (NM-01-0012) VADOSE ZONE

Enclosed are the results of analyses for samples received by the laboratory on 07/30/13 9:00.

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.

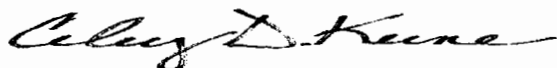
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:

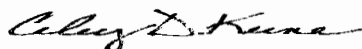
Eddie Seay Consulting 601 W. Illinois Hobbs NM, 88242	Project: C & C LANDFARM (NM-01-0012) V/ Project Number: C & C LANDFARM Project Manager: Eddie Seay Fax To: (505) 392-6949	Reported: 28-Aug-13 14:42
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL H - 1	H301788-01	Soil	29-Jul-13 06:45	30-Jul-13 09:00
CELL H - 2	H301788-02	Soil	29-Jul-13 07:10	30-Jul-13 09:00
CELL H - 3	H301788-03	Soil	29-Jul-13 08:00	30-Jul-13 09:00
CELL H - 4	H301788-04	Soil	29-Jul-13 08:25	30-Jul-13 09:00

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 1
H301788-01 (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	3073104	AP	31-Jul-13	4500-Cl-B	
pH*	7.96	0.100	pH Units	1	3080702	AP	07-Aug-13	9045	
Phenols	ND	0.5	mg/kg dry wt.	1	3082704	CK	14-Aug-13	EPA9065	GAL
Sulfate	ND	40.0	mg/kg	4	3080509	AP	05-Aug-13	375.4	

Radionuclides
SUB-RS

Radium-226	0.7 ± 0.2	0.50	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	
Radium-228	ND	0.80	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	
Total Radium	0.7 ± 0.2	0.80	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3073105	MS	01-Aug-13	8015B	
DRO >C10-C28	ND	10.0	mg/kg	1	3073105	MS	01-Aug-13	8015B	
Surrogate: 1-Chlorooctane	90.2 %	65.2-140			3073105	MS	01-Aug-13	8015B	
Surrogate: 1-Chlorooctadecane	116 %	63.6-154			3073105	MS	01-Aug-13	8015B	

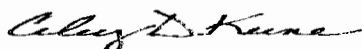
Polychlorinated Biphenyls by EPA Method 8082
SUB-SS

PCB 1016	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1221	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1232	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1242	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1248	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1254	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1260	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
Surrogate: Tetrachloro-meta-xylene	91.8 %	35-140			3082702	CK	01-Aug-13	8082	

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 1
H301788-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Methylene chloride*	ND	1.00	mg/kg	50	3080504	MS	05-Aug-13	8260	B
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Chloroform*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Carbon tetrachloride*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Benzene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Trichloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Toluene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Tetrachloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,2-Trichloroethane*	ND	0.100	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Ethylbenzene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
m-p Xylenes*	ND	0.100	mg/kg	50	3080504	MS	05-Aug-13	8260	
o-Xylene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Total Xylenes*	ND	0.150	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Naphthalene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Surrogate: Dibromofluoromethane		99.3 %		70-130	3080504	MS	05-Aug-13	8260	
Surrogate: Toluene-d8		100 %		70-130	3080504	MS	05-Aug-13	8260	
Surrogate: 4-Bromofluorobenzene		102 %		70-130	3080504	MS	05-Aug-13	8260	

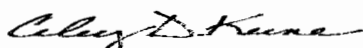
Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
2-Methylnaphthalene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
1-Methylnaphthalene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Acenaphthylene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	

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: C & C LANDFARM (NM-01-0012) V/ Project Number: C & C LANDFARM Project Manager: Eddie Seay Fax To: (505) 392-6949	Reported: 28-Aug-13 14:42
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CELL H - 1
H301788-01 (Soil)

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

Acenaphthene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Fluorene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Phenanthrene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Anthracene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Carbazole	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Fluoranthene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Pyrene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Chrysene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Benzo[b]fluoranthene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	3072902	MS	02-Aug-13	8270C	
Surrogate: Nitrobenzene-d5		53.2 %		16.1-91.8	3072902	MS	02-Aug-13	8270C	
Surrogate: 2-Fluorobiphenyl		64.2 %		27.2-92.9	3072902	MS	02-Aug-13	8270C	
Surrogate: Terphenyl-d14		81.8 %		21.3-96.1	3072902	MS	02-Aug-13	8270C	

Green Analytical Laboratories
General Chemistry

Cyanide, Total	ND	0.0100	mg/kg dry	1	B308096	KLJ	09-Aug-13	EPA9012 B	
% Dry Solids	99.1		%	1	B308009	JGS	31-Jul-13	EPA160.3	

Soluble (DI Water Extraction)

Fluoride	ND	0.800	mg/kg dry	4	B308053	ABP	06-Aug-13	4500-F- C	
Nitrate/Nitrite as N	13.6	0.400	mg/kg dry	4	B308085	KLJ	08-Aug-13	EPA353.2	
Nitrite as N	ND	0.160	mg/kg dry	8	B308055	KLJ	06-Aug-13	EPA353.2	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Eddie Seay Consulting
 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 28-Aug-13 14:42

CELL H - 1
H301788-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Iron	1890	5.00	mg/kg dry	100	B308151	JGS	15-Aug-13	EPA6010 B
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Total Metals by ICPMS

Arsenic	0.731	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Barium	12.8	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Cadmium	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Chromium	2.22	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Copper	0.828	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Lead	2.20	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Manganese	26.1	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Selenium	ND	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Silver	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Uranium	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A
Zinc	6.64	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A

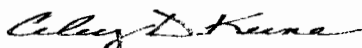
Total Mercury by CVAA

Mercury	ND	0.0980	mg/kg dry	490	B308022	JGS	02-Aug-13	EPA7471
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Cardinal Laboratories

*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 2 H301788-02 (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	3073104	AP	31-Jul-13	4500-Cl-B	
pH*	8.11	0.100	pH Units	1	3080702	AP	07-Aug-13	9045	
Phenols	ND	0.5	mg/kg dry wt.	1	3082704	CK	14-Aug-13	EPA9065	GAL
Sulfate	ND	40.0	mg/kg	4	3080509	AP	05-Aug-13	375.4	

Radionuclides

SUB-RS

Radium-226	ND	0.50	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	
Radium-228	ND	0.80	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	
Total Radium	ND	0.80	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3073105	MS	01-Aug-13	8015B	
DRO >C10-C28	ND	10.0	mg/kg	1	3073105	MS	01-Aug-13	8015B	
Surrogate: 1-Chlorooctane		90.1 %	65.2-140		3073105	MS	01-Aug-13	8015B	
Surrogate: 1-Chlorooctadecane		117 %	63.6-154		3073105	MS	01-Aug-13	8015B	

Polychlorinated Biphenyls by EPA Method 8082

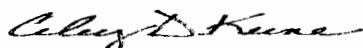
SUB-SS

PCB 1016	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1221	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1232	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1242	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1248	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1254	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1260	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
Surrogate: Tetrachloro-meta-xylene		70.4 %	35-140		3082702	CK	01-Aug-13	8082	

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 2 H301788-02 (Soil)

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

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	B
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Methylene chloride*	ND	1.00	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Chloroform*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Carbon tetrachloride*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Benzene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Trichloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Toluene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Tetrachloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,2-Trichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Ethylbenzene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
m-p Xylenes*	ND	0.100	mg/kg	50	3080504	MS	05-Aug-13	8260	
o-Xylene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Total Xylenes*	ND	0.150	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Naphthalene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Surrogate: Dibromofluoromethane		99.6 %	70-130		3080504	MS	05-Aug-13	8260	
Surrogate: Toluene-d8		100 %	70-130		3080504	MS	05-Aug-13	8260	
Surrogate: 4-Bromofluorobenzene		103 %	70-130		3080504	MS	05-Aug-13	8260	

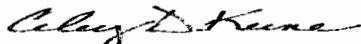
Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C
2-Methylnaphthalene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C
1-Methylnaphthalene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C
Acenaphthylene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C

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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 2 H301788-02 (Soil)

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

Semivolatile Organic Compounds by GCMS

Acenaphthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Fluorene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Phenanthrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Anthracene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Carbazole	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Fluoranthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Pyrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Chrysene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[b]fluoranthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Surrogate: Nitrobenzene-d5		69.3 %	16.1-91.8		3072902	MS	05-Aug-13	8270C	
Surrogate: 2-Fluorobiphenyl		64.1 %	27.2-92.9		3072902	MS	05-Aug-13	8270C	
Surrogate: Terphenyl-d14		68.7 %	21.3-96.1		3072902	MS	05-Aug-13	8270C	

Green Analytical Laboratories

General Chemistry

Cyanide, Total	ND	0.0100	mg/kg dry	1	B308096	KLJ	09-Aug-13	EPA9012 B	
% Dry Solids	99.5		%	1	B308009	JGS	31-Jul-13	EPA160.3	

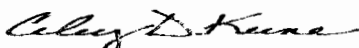
Soluble (DI Water Extraction)

Fluoride	ND	0.800	mg/kg dry	4	B308053	ABP	06-Aug-13	4500-F- C	
Nitrate/Nitrite as N	5.59	0.400	mg/kg dry	4	B308085	KLJ	08-Aug-13	EPA353.2	
Nitrite as N	ND	0.160	mg/kg dry	8	B308055	KLJ	06-Aug-13	EPA353.2	

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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: C & C LANDFARM (NM-01-0012) V/ Project Number: C & C LANDFARM Project Manager: Eddie Seay Fax To: (505) 392-6949	Reported: 28-Aug-13 14:42
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CELL H - 2 H301788-02 (Soil)

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

Total Metals by ICP

Iron	2290	5.00	mg/kg dry	100	B308151	JGS	15-Aug-13	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.795	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Barium	17.5	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Cadmium	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Chromium	2.64	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Copper	0.936	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Lead	2.52	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Manganese	30.1	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Selenium	ND	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Silver	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Uranium	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Zinc	5.23	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	

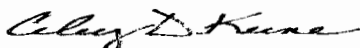
Total Mercury by CVAA

Mercury	ND	0.0980	mg/kg dry	490	B308022	JGS	02-Aug-13	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 3
H301788-03 (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	3073104	AP	31-Jul-13	4500-Cl-B	
pH*	7.66	0.100	pH Units	1	3080702	AP	07-Aug-13	9045	
Phenols	ND	0.5	mg/kg dry wt.	1	3082704	CK	14-Aug-13	EPA9065	GAL
Sulfate	ND	40.0	mg/kg	4	3080509	AP	05-Aug-13	375.4	

Radionuclides
SUB-RS

Radium-226	ND	0.50	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	
Radium-228	ND	0.80	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	
Total Radium	ND	0.80	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3073105	MS	01-Aug-13	8015B	
DRO >C10-C28	ND	10.0	mg/kg	1	3073105	MS	01-Aug-13	8015B	
Surrogate: 1-Chlorooctane		91.3 %	65.2-140		3073105	MS	01-Aug-13	8015B	
Surrogate: 1-Chlorooctadecane		119 %	63.6-154		3073105	MS	01-Aug-13	8015B	

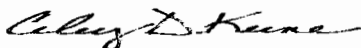
Polychlorinated Biphenyls by EPA Method 8082
SUB-SS

PCB 1016	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1221	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1232	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1242	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1248	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1254	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1260	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
Surrogate: Tetrachloro-meta-xylene		88.2 %	35-140		3082702	CK	01-Aug-13	8082	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 3
H301788-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Methylene chloride*	ND	1.00	mg/kg	50	3080504	MS	05-Aug-13	8260	B
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Chloroform*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Carbon tetrachloride*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Benzene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Trichloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Toluene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Tetrachloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,2-Trichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Ethylbenzene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
m-p Xylenes*	ND	0.100	mg/kg	50	3080504	MS	05-Aug-13	8260	
o-Xylene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Total Xylenes*	ND	0.150	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Naphthalene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Surrogate: Dibromofluoromethane		97.7 %	70-130		3080504	MS	05-Aug-13	8260	
Surrogate: Toluene-d8		100 %	70-130		3080504	MS	05-Aug-13	8260	
Surrogate: 4-Bromofluorobenzene		104 %	70-130		3080504	MS	05-Aug-13	8260	

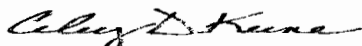
Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
2-Methylnaphthalene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
1-Methylnaphthalene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Acenaphthylene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 3
H301788-03 (Soil)

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

Acenaphthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Fluorene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Phenanthrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Anthracene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Carbazole	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Fluoranthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Pyrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Chrysene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[b]fluoranthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Surrogate: Nitrobenzene-d5		55.9 %	16.1-91.8		3072902	MS	05-Aug-13	8270C	
Surrogate: 2-Fluorobiphenyl		55.3 %	27.2-92.9		3072902	MS	05-Aug-13	8270C	
Surrogate: Terphenyl-d14		86.8 %	21.3-96.1		3072902	MS	05-Aug-13	8270C	

Green Analytical Laboratories
General Chemistry

Cyanide, Total	ND	0.0100	mg/kg dry	1	B308096	KLJ	09-Aug-13	EPA9012.B	
% Dry Solids	99.4		%	1	B308009	JGS	31-Jul-13	EPA160.3	

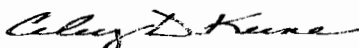
Soluble (DI Water Extraction)

Fluoride	ND	0.800	mg/kg dry	4	B308053	ABP	06-Aug-13	4500-F-C	
Nitrate/Nitrite as N	4.02	0.400	mg/kg dry	4	B308085	KLJ	08-Aug-13	EPA353.2	
Nitrite as N	ND	0.160	mg/kg dry	8	B308055	KLJ	06-Aug-13	EPA353.2	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 3
H301788-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories
Total Metals by ICP

Iron	2060	5.00	mg/kg dry	100	B308151	JGS	15-Aug-13	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.655	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Barium	11.8	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Cadmium	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Chromium	2.02	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Copper	0.700	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Lead	1.68	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Manganese	24.8	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Selenium	ND	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Silver	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Uranium	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Zinc	2.27	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	

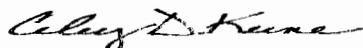
Total Mercury by CVAA

Mercury	ND	0.0960	mg/kg dry	480	B308022	JGS	02-Aug-13	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242

Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

CELL H - 4 H301788-04 (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	3073104	AP	31-Jul-13	4500-Cl-B	
pH*	8.43	0.100	pH Units	1	3080702	AP	07-Aug-13	9045	
Phenols	ND	0.5	mg/kg dry wt.	1	3082704	CK	14-Aug-13	EPA9065	GAL
Sulfate	ND	40.0	mg/kg	4	3080509	AP	05-Aug-13	375.4	

Radionuclides

SUB-RS

Radium-226	ND	0.50	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	
Radium-228	ND	0.80	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	
Total Radium	ND	0.80	pCi/gram	1	3082705	CK	27-Aug-13	GammaRay HPGE	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	ND	10.0	mg/kg	1	3073105	MS	01-Aug-13	8015B	
DRO >C10-C28	ND	10.0	mg/kg	1	3073105	MS	01-Aug-13	8015B	
Surrogate: 1-Chlorooctane		91.4 %	65.2-140		3073105	MS	01-Aug-13	8015B	
Surrogate: 1-Chlorooctadecane		115 %	63.6-154		3073105	MS	01-Aug-13	8015B	

Polychlorinated Biphenyls by EPA Method 8082

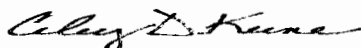
SUB-SS

PCB 1016	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1221	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1232	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1242	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1248	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1254	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
PCB 1260	ND	10.0	ug/kg	1	3082702	CK	01-Aug-13	8082	
Surrogate: Tetrachloro-meta-xylene		81.9 %	35-140		3082702	CK	01-Aug-13	8082	

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Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1-Dichloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Methylene chloride*	ND	1.00	mg/kg	50	3080504	MS	05-Aug-13	8260	B
1,1-Dichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Chloroform*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Carbon tetrachloride*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,1-Trichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Benzene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,2-Dichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Trichloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Toluene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Tetrachloroethene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,2-Trichloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,2-Dibromoethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Ethylbenzene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
m-p Xylenes*	ND	0.100	mg/kg	50	3080504	MS	05-Aug-13	8260	
o-Xylene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Total Xylenes*	ND	0.150	mg/kg	50	3080504	MS	05-Aug-13	8260	
1,1,2,2-Tetrachloroethane*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Naphthalene*	ND	0.0500	mg/kg	50	3080504	MS	05-Aug-13	8260	
Surrogate: Dibromofluoromethane		97.9 %		70-130	3080504	MS	05-Aug-13	8260	
Surrogate: Toluene-d8		101 %		70-130	3080504	MS	05-Aug-13	8260	
Surrogate: 4-Bromofluorobenzene		103 %		70-130	3080504	MS	05-Aug-13	8260	

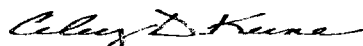
Semivolatile Organic Compounds by GCMS

Naphthalene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
2-Methylnaphthalene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
1-Methylnaphthalene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Acenaphthylene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	

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H301788-04 (Soil)

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Cardinal Laboratories
Semivolatile Organic Compounds by GCMS

Acenaphthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Fluorene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Phenanthrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Anthracene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Carbazole	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Fluoranthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Pyrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[a]anthracene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Chrysene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[b]fluoranthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[k]fluoranthene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[a]pyrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Dibenz[a,h]anthracene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Benzo[g,h,i]perylene	ND	0.040	mg/kg	40	3072902	MS	05-Aug-13	8270C	
Surrogate: Nitrobenzene-d5		40.1 %	16.1-91.8		3072902	MS	05-Aug-13	8270C	
Surrogate: 2-Fluorobiphenyl		42.8 %	27.2-92.9		3072902	MS	05-Aug-13	8270C	
Surrogate: Terphenyl-d14		70.4 %	21.3-96.1		3072902	MS	05-Aug-13	8270C	

Green Analytical Laboratories
General Chemistry

Cyanide, Total	ND	0.0100	mg/kg dry	1	B308096	KLJ	09-Aug-13	EPA9012 B	
% Dry Solids	99.4		%	1	B308009	JGS	31-Jul-13	EPA160.3	

Soluble (DI Water Extraction)

Fluoride	ND	0.800	mg/kg dry	4	B308053	ABP	06-Aug-13	4500-F- C	
Nitrate/Nitrite as N	6.36	0.400	mg/kg dry	4	B308085	KLJ	08-Aug-13	EPA353.2	
Nitrite as N	ND	0.160	mg/kg dry	8	B308055	KLJ	06-Aug-13	EPA353.2	

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Green Analytical Laboratories
Total Metals by ICP

Iron	2000	5.00	mg/kg dry	100	B308151	JGS	15-Aug-13	EPA6010 B	
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Total Metals by ICPMS

Arsenic	0.638	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Barium	12.2	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Cadmium	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Chromium	1.68	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Copper	0.592	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Lead	1.77	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Manganese	20.1	0.500	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Selenium	ND	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Silver	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Uranium	ND	0.100	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	
Zinc	2.28	1.00	mg/kg dry	1000	B308045	JGS	07-Aug-13	6020 A	

Total Mercury by CVAA

Mercury	ND	0.0980	mg/kg dry	490	B308022	JGS	02-Aug-13	EPA7471	
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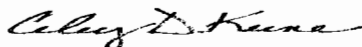
Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3073104 - 1:4 DI Water										
Blank (3073104-BLK1)				Prepared & Analyzed: 31-Jul-13						
Chloride	ND	16.0	mg/kg							
LCS (3073104-BS1)				Prepared & Analyzed: 31-Jul-13						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3073104-BSD1)				Prepared & Analyzed: 31-Jul-13						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Batch 3080509 - General Prep - Wet Chem										
Blank (3080509-BLK1)				Prepared & Analyzed: 05-Aug-13						
Sulfate	ND	10.0	mg/kg							
LCS (3080509-BS1)				Prepared & Analyzed: 05-Aug-13						
Sulfate	21.2	10.0	mg/kg	20.0		106	80-120			
LCS Dup (3080509-BSD1)				Prepared & Analyzed: 05-Aug-13						
Sulfate	20.4	10.0	mg/kg	20.0		102	80-120	3.99	20	
Batch 3080702 - NO PREP										
LCS (3080702-BS1)				Prepared & Analyzed: 07-Aug-13						
pH	7.07		pH Units	7.00		101	90-110			
Duplicate (3080702-DUP1)				Prepared & Analyzed: 07-Aug-13						
pH	8.12	0.100	pH Units		7.96			1.99	20	

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Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3082704 - General Prep
Blank (3082704-BLK1)

Prepared & Analyzed: 14-Aug-13

Phenols ND 0.5 mg/kg dry wt.

LCS (3082704-BS1)

Prepared & Analyzed: 14-Aug-13

Phenols 0.4 mg/kg 0.400 97.5 70-130

Matrix Spike (3082704-MS1)

Source: H301788-01

Prepared & Analyzed: 14-Aug-13

Phenols 3.9 mg/kg 4.08 0.0 96.5 70-130

Matrix Spike Dup (3082704-MSD1)

Source: H301788-01

Prepared & Analyzed: 14-Aug-13

Phenols 4.0 mg/kg 4.08 0.0 97.7 70-130 1.24 20

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Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3073105 - General Prep - Organics
Blank (3073105-BLK1)

Prepared & Analyzed: 31-Jul-13

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	40.8		mg/kg	50.0		81.6	65.2-140			
Surrogate: 1-Chlorooctadecane	52.6		mg/kg	50.0		105	63.6-154			

LCS (3073105-BS1)

Prepared & Analyzed: 31-Jul-13

GRO C6-C10	179	10.0	mg/kg	200		89.5	66.4-124			
DRO >C10-C28	182	10.0	mg/kg	200		91.1	61.6-132			
Total TPH C6-C28	361	10.0	mg/kg	400		90.3	69.7-122			
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.0		94.9	65.2-140			
Surrogate: 1-Chlorooctadecane	57.3		mg/kg	50.0		115	63.6-154			

LCS Dup (3073105-BSD1)

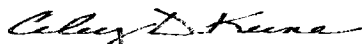
Prepared & Analyzed: 31-Jul-13

GRO C6-C10	178	10.0	mg/kg	200		89.2	66.4-124	0.282	23.4	
DRO >C10-C28	187	10.0	mg/kg	200		93.5	61.6-132	2.60	23.1	
Total TPH C6-C28	365	10.0	mg/kg	400		91.4	69.7-122	1.18	20.6	
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.0		94.8	65.2-140			
Surrogate: 1-Chlorooctadecane	59.2		mg/kg	50.0		118	63.6-154			

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Polychlorinated Biphenyls by EPA Method 8082 - 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 3082702 - 3550
Blank (3082702-BLK1)

Prepared: 31-Jul-13 Analyzed: 01-Aug-13

PCB 1016	ND	2.00	ug/kg							
PCB 1221	ND	2.00	ug/kg							
PCB 1232	ND	2.00	ug/kg							
PCB 1242	ND	2.00	ug/kg							
PCB 1248	ND	2.00	ug/kg							
PCB 1254	ND	2.00	ug/kg							
PCB 1260	ND	2.00	ug/kg							
Surrogate: Tetrachloro-meta-xylene	7.51		ug/L	10.0		75.1	35-140			

LCS (3082702-BS1)

Prepared: 31-Jul-13 Analyzed: 01-Aug-13

PCB 1016	94.9		ug/L	100		94.9	40-130			
PCB 1242	ND	2.00	ug/kg				40-130			
PCB 1254	ND	2.00	ug/kg				40-130			
PCB 1260	98.5		ug/L	100		98.5	40-130			
Surrogate: Tetrachloro-meta-xylene	6.34		ug/L	10.0		63.4	35-140			

Matrix Spike (3082702-MS1)

Source: H301788-01

Prepared: 31-Jul-13 Analyzed: 01-Aug-13

PCB 1016	93.8		ug/L	100	ND	93.8	40-130			
PCB 1242	ND	2.00	ug/kg		ND		40-130			
PCB 1254	ND	2.00	ug/kg		ND		40-130			
PCB 1260	102		ug/L	100	ND	102	40-130			
Surrogate: Tetrachloro-meta-xylene	6.76		ug/L	10.0		67.6	35-140			

Matrix Spike Dup (3082702-MSD1)

Source: H301788-01

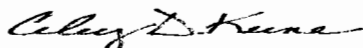
Prepared: 31-Jul-13 Analyzed: 01-Aug-13

PCB 1016	102		ug/L	100	ND	102	40-130	8.38	30	
PCB 1242	ND	2.00	ug/kg		ND		40-130		30	
PCB 1254	ND	2.00	ug/kg		ND		40-130		30	
PCB 1260	97.8		ug/L	100	ND	97.8	40-130	4.20	30	
Surrogate: Tetrachloro-meta-xylene	6.94		ug/L	10.0		69.4	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

Volatile Organic Compounds by EPA Method 8260B - 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 3080504 - Volatiles

Blank (3080504-BLK1)

Prepared & Analyzed: 05-Aug-13

Vinyl chloride	ND	0.0500	mg/kg							
1,1-Dichloroethene	ND	0.0500	mg/kg							
Methylene chloride	0.286	0.0500	mg/kg							B
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	0.496		mg/kg	0.500		99.2	70-130			
Surrogate: Toluene-d8	0.509		mg/kg	0.500		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.508		mg/kg	0.500		102	70-130			

LCS (3080504-BS1)

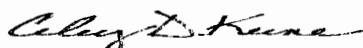
Prepared & Analyzed: 05-Aug-13

Vinyl chloride	0.408	0.0500	mg/kg	0.400		102	70-130			
1,1-Dichloroethene	0.508	0.0500	mg/kg	0.400		127	70-130			
Methylene chloride	0.770	0.0500	mg/kg	0.400		192	70-130			B
1,1-Dichloroethane	0.469	0.0500	mg/kg	0.400		117	70-130			
Chloroform	0.503	0.0500	mg/kg	0.400		126	70-130			
Carbon tetrachloride	0.464	0.0500	mg/kg	0.400		116	70-130			
1,1,1-Trichloroethane	0.406	0.0500	mg/kg	0.400		102	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

Volatile Organic Compounds by EPA Method 8260B - 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 3080504 - Volatiles
LCS (3080504-BS1)

Prepared & Analyzed: 05-Aug-13

Benzene	0.431	0.0500	mg/kg	0.400		108	70-130			
1,2-Dichloroethane	0.439	0.0500	mg/kg	0.400		110	70-130			
Trichloroethene	0.442	0.0500	mg/kg	0.400		110	70-130			
Toluene	0.418	0.0500	mg/kg	0.400		104	70-130			
Tetrachloroethene	0.440	0.0500	mg/kg	0.400		110	70-130			
1,1,2-Trichloroethane	0.407	0.0500	mg/kg	0.400		102	70-130			
1,2-Dibromoethane	0.402	0.0500	mg/kg	0.400		100	70-130			
Ethylbenzene	0.416	0.0500	mg/kg	0.400		104	70-130			
m-p Xylenes	0.807	0.100	mg/kg				70-130			
o-Xylene	0.396	0.0500	mg/kg	0.400		99.0	70-130			
Total Xylenes	1.20	0.150	mg/kg	1.20		100	70-130			
1,1,2,2-Tetrachloroethane	0.402	0.0500	mg/kg	0.400		100	70-130			
Naphthalene	0.391	0.0500	mg/kg	0.400		97.8	70-130			
Surrogate: Dibromofluoromethane	0.493		mg/kg	0.500		98.6	70-130			
Surrogate: Toluene-d8	0.495		mg/kg	0.500		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.507		mg/kg	0.500		101	70-130			

LCS Dup (3080504-BSD1)

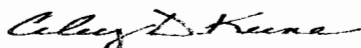
Prepared & Analyzed: 05-Aug-13

Vinyl chloride	0.370	0.0500	mg/kg	0.400		92.5	70-130	9.79	20	
1,1-Dichloroethene	0.469	0.0500	mg/kg	0.400		117	70-130	7.81	20	
Methylene chloride	0.744	0.0500	mg/kg	0.400		186	70-130	3.42	20	
1,1-Dichloroethane	0.446	0.0500	mg/kg	0.400		112	70-130	4.92	20	
Chloroform	0.490	0.0500	mg/kg	0.400		123	70-130	2.53	20	
Carbon tetrachloride	0.438	0.0500	mg/kg	0.400		110	70-130	5.63	20	
1,1,1-Trichloroethane	0.398	0.0500	mg/kg	0.400		99.4	70-130	2.10	20	
Benzene	0.412	0.0500	mg/kg	0.400		103	70-130	4.55	20	
1,2-Dichloroethane	0.425	0.0500	mg/kg	0.400		106	70-130	3.20	20	
Trichloroethene	0.428	0.0500	mg/kg	0.400		107	70-130	3.18	20	
Toluene	0.391	0.0500	mg/kg	0.400		97.7	70-130	6.70	20	
Tetrachloroethene	0.423	0.0500	mg/kg	0.400		106	70-130	4.01	20	
1,1,2-Trichloroethane	0.407	0.0500	mg/kg	0.400		102	70-130	0.0614	20	
1,2-Dibromoethane	0.399	0.0500	mg/kg	0.400		99.7	70-130	0.767	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

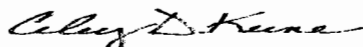
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080504 - Volatiles										
LCS Dup (3080504-BSD1)										
Prepared & Analyzed: 05-Aug-13										
Ethylbenzene	0.390	0.0500	mg/kg	0.400		97.6	70-130	6.28	20	
m-p Xylenes	0.759	0.100	mg/kg				70-130	6.11	20	
o-Xylene	0.373	0.0500	mg/kg	0.400		93.3	70-130	5.85	20	
Total Xylenes	1.13	0.150	mg/kg	1.20		94.3	70-130	6.03	20	
1,1,2,2-Tetrachloroethane	0.385	0.0500	mg/kg	0.400		96.3	70-130	4.22	20	
Naphthalene	0.375	0.0500	mg/kg	0.400		93.6	70-130	4.32	20	
Surrogate: Dibromofluoromethane	0.503		mg/kg	0.500		101	70-130			
Surrogate: Toluene-d8	0.491		mg/kg	0.500		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.501		mg/kg	0.500		100	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: C & C LANDFARM (NM-01-0012) VI
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 28-Aug-13 14:42

Semivolatile Organic Compounds by GCMS - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3072902 - SW846-3510
Blank (3072902-BLK1)

Prepared: 29-Jul-13 Analyzed: 02-Aug-13

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	1.35		mg/kg	2.00		67.4	16.1-91.8		
Surrogate: 2-Fluorobiphenyl	1.49		mg/kg	2.00		74.5	27.2-92.9		
Surrogate: Terphenyl-d4	1.82		mg/kg	2.00		91.0	21.3-96.1		

LCS (3072902-BS1)

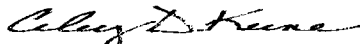
Prepared: 29-Jul-13 Analyzed: 02-Aug-13

Naphthalene	0.396	0.040	mg/kg	0.500		79.2	5.46-157		
2-Methylnaphthalene	0.381	0.040	mg/kg	0.500		76.2	16.1-146		
Acenaphthylene	0.382	0.040	mg/kg	0.500		76.3	21.6-144		
Acenaphthene	0.387	0.040	mg/kg	0.500		77.3	27-143		
Fluorene	0.376	0.040	mg/kg	0.500		75.3	30.9-138		
Phenanthrene	0.390	0.040	mg/kg	0.500		78.0	38.6-149		
Anthracene	0.398	0.040	mg/kg	0.500		79.6	36.1-149		
Carbazole	0.387	0.040	mg/kg	0.500		77.5	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

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 3072902 - SW846-3510

LCS (3072902-BS1)

Prepared: 29-Jul-13 Analyzed: 02-Aug-13

Fluoranthene	0.409	0.040	mg/kg	0.500		81.8	34.6-148			
Pyrene	0.388	0.040	mg/kg	0.500		77.7	24.8-154			
Benzo[a]anthracene	0.382	0.040	mg/kg	0.500		76.5	0-179			
Chrysene	0.394	0.040	mg/kg	0.500		78.8	35.1-150			
Benzo[b]fluoranthene	0.380	0.040	mg/kg	0.500		76.1	17.6-158			
Benzo[k]fluoranthene	0.404	0.040	mg/kg	0.500		80.8	10.6-169			
Benzo[a]pyrene	0.392	0.040	mg/kg	0.500		78.4	2.25-166			
Indeno[1,2,3-cd]pyrene	0.424	0.040	mg/kg	0.500		84.8	0-181			
Dibenz[a,h]anthracene	0.416	0.040	mg/kg	0.500		83.1	2.49-177			
Benzo[g,h,i]perylene	0.442	0.040	mg/kg	0.500		88.5	0-173			
Surrogate: Nitrobenzene-d5	0.378		mg/kg	0.500		75.6	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	0.366		mg/kg	0.500		73.2	27.2-92.9			
Surrogate: Terphenyl-d14	0.386		mg/kg	0.500		77.3	21.3-96.1			

LCS Dup (3072902-BSD1)

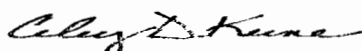
Prepared: 29-Jul-13 Analyzed: 02-Aug-13

Naphthalene	0.409	0.040	mg/kg	0.500		81.7	5.46-157	3.12	6.7	
2-Methylnaphthalene	0.387	0.040	mg/kg	0.500		77.5	16.1-146	1.58	8.99	
Acenaphthylene	0.388	0.040	mg/kg	0.500		77.7	21.6-144	1.74	14.6	
Acenaphthene	0.390	0.040	mg/kg	0.500		78.0	27-143	0.842	6.99	
Fluorene	0.381	0.040	mg/kg	0.500		76.2	30.9-138	1.19	13.9	
Phenanthrene	0.390	0.040	mg/kg	0.500		78.0	38.6-149	0.0128	14.6	
Anthracene	0.408	0.040	mg/kg	0.500		81.6	36.1-149	2.45	18.5	
Carbazole	0.399	0.040	mg/kg	0.500		79.9	29.8-144	3.09	23.4	
Fluoranthene	0.418	0.040	mg/kg	0.500		83.7	34.6-148	2.28	19.7	
Pyrene	0.409	0.040	mg/kg	0.500		81.8	24.8-154	5.14	23	
Benzo[a]anthracene	0.406	0.040	mg/kg	0.500		81.2	0-179	5.95	32.5	
Chrysene	0.391	0.040	mg/kg	0.500		78.2	35.1-150	0.785	19.4	
Benzo[b]fluoranthene	0.388	0.040	mg/kg	0.500		77.6	17.6-158	1.95	31.4	
Benzo[k]fluoranthene	0.398	0.040	mg/kg	0.500		79.5	10.6-169	1.54	44.6	
Benzo[a]pyrene	0.401	0.040	mg/kg	0.500		80.2	2.25-166	2.16	60.5	
Indeno[1,2,3-cd]pyrene	0.413	0.040	mg/kg	0.500		82.7	0-181	2.53	77	
Dibenz[a,h]anthracene	0.410	0.040	mg/kg	0.500		82.0	2.49-177	1.41	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: C & C LANDFARM (NM-01-0012) V/ Project Number: C & C LANDFARM Project Manager: Eddie Seay Fax To: (505) 392-6949	Reported: 28-Aug-13 14:42
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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 3072902 - SW846-3510
LCS Dup (3072902-BSD1)

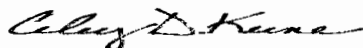
Prepared: 29-Jul-13 Analyzed: 02-Aug-13

Benzo[g,h,i]perylene	0.430	0.040	mg/kg	0.500		86.0	0-173	2.88	77.4	
Surrogate: Nitrobenzene-d5	0.394		mg/kg	0.500		78.8	16.1-91.8			
Surrogate: 2-Fluorobiphenyl	0.380		mg/kg	0.500		76.0	27.2-92.9			
Surrogate: Terphenyl-d14	0.412		mg/kg	0.500		82.4	21.3-96.1			

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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: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 28-Aug-13 14:42

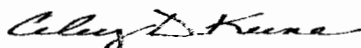
General Chemistry - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B308096 - Cyanide Preparation										
Blank (B308096-BLK1)				Prepared & Analyzed: 09-Aug-13						
Cyanide, Total	ND	0.0100	mg/kg wet							
LCS (B308096-BS1)				Prepared & Analyzed: 09-Aug-13						
Cyanide, Total	0.0483	0.0100	mg/kg wet	0.0500		96.6	85-115			
LCS Dup (B308096-BSD1)				Prepared & Analyzed: 09-Aug-13						
Cyanide, Total	0.0509	0.0100	mg/kg wet	0.0500		102	85-115	5.24	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

Soluble (DI Water Extraction) - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B308053 - General Prep - Wet Chem

Blank (B308053-BLK1)

Prepared & Analyzed: 06-Aug-13

Fluoride ND 0.200 mg/kg wet

LCS (B308053-BS1)

Prepared & Analyzed: 06-Aug-13

Fluoride 0.948 0.200 mg/kg wet 1.00 94.8 85-115

LCS Dup (B308053-BSD1)

Prepared & Analyzed: 06-Aug-13

Fluoride 0.971 0.200 mg/kg wet 1.00 97.1 85-115 2.40 20

Batch B308055 - General Prep - Wet Chem

Blank (B308055-BLK1)

Prepared & Analyzed: 06-Aug-13

Nitrite as N ND 0.160 mg/kg wet

LCS (B308055-BS1)

Prepared & Analyzed: 06-Aug-13

Nitrite as N 2.12 0.080 mg/kg wet 2.00 106 75-125

LCS Dup (B308055-BSD1)

Prepared & Analyzed: 06-Aug-13

Nitrite as N 2.31 0.080 mg/kg wet 2.00 115 75-125 8.30 20

Batch B308085 - General Prep - Wet Chem

Blank (B308085-BLK1)

Prepared & Analyzed: 08-Aug-13

Nitrate/Nitrite as N ND 0.100 mg/kg wet

LCS (B308085-BS1)

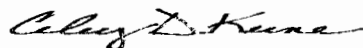
Prepared & Analyzed: 08-Aug-13

Nitrate/Nitrite as N 0.570 0.100 mg/kg wet 0.500 114 75-125

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:Eddie Seay Consulting
601 W. Illinois
Hobbs NM, 88242Project: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949Reported:
28-Aug-13 14:42**Soluble (DI Water Extraction) - Quality Control****Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B308085 - General Prep - Wet Chem**LCS Dup (B308085-BSD1)**

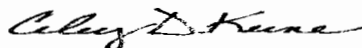
Prepared & Analyzed: 08-Aug-13

Nitrate/Nitrite as N	0.510	0.100	mg/kg wet	0.500	102	75-125	11.1	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: C & C LANDFARM (NM-01-0012) V/ Project Number: C & C LANDFARM Project Manager: Eddie Seay Fax To: (505) 392-6949	Reported: 28-Aug-13 14:42
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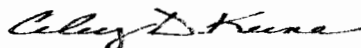
Total Metals by ICP - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B308151 - EPA 3050										
Blank (B308151-BLK1)				Prepared & Analyzed: 15-Aug-13						
Iron	1.87	0.050	mg/kg dry							B1
LCS (B308151-BS1)				Prepared & Analyzed: 15-Aug-13						
Iron	4.01	0.050	mg/kg dry	4.00		100	85-115			
LCS Dup (B308151-BSD1)				Prepared & Analyzed: 15-Aug-13						
Iron	4.11	0.050	mg/kg dry	4.00		103	85-115	2.59	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: C & C LANDFARM (NM-01-0012) V/ Project Number: C & C LANDFARM Project Manager: Eddie Seay Fax To: (505) 392-6949	Reported: 28-Aug-13 14:42
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Total Metals by ICPMS - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch B308045 - EPA 3050M

Blank (B308045-BLK1)				Prepared: 06-Aug-13 Analyzed: 07-Aug-13					
Lead	0.0005	0.0005	mg/kg dry						B1
Barium	ND	0.0005	mg/kg dry						
Cadmium	ND	0.0001	mg/kg dry						
Chromium	0.0020	0.0010	mg/kg dry						B1
Copper	0.0002	0.0001	mg/kg dry						B1
Manganese	0.0007	0.0005	mg/kg dry						B1
Uranium	ND	0.0001	mg/kg dry						
Zinc	0.0094	0.0010	mg/kg dry						B1
Selenium	ND	0.0010	mg/kg dry						
Silver	ND	0.0001	mg/kg dry						
Arsenic	ND	0.0005	mg/kg dry						

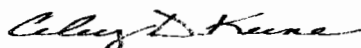
LCS (B308045-BS1)				Prepared: 06-Aug-13 Analyzed: 07-Aug-13					
Cadmium	0.0515	0.0001	mg/kg dry	0.0500	103	85-115			
Chromium	0.0510	0.0010	mg/kg dry	0.0500	102	85-115			
Copper	0.0500	0.0001	mg/kg dry	0.0500	100	85-115			
Arsenic	0.0493	0.0005	mg/kg dry	0.0500	98.6	85-115			
Zinc	0.0589	0.0010	mg/kg dry	0.0500	118	80-120			
Lead	0.0514	0.0005	mg/kg dry	0.0500	103	85-115			
Silver	0.0505	0.0001	mg/kg dry	0.0500	101	85-115			
Manganese	0.0506	0.0005	mg/kg dry	0.0500	101	85-115			
Uranium	0.0501	0.0001	mg/kg dry	0.0500	100	85-115			
Barium	0.0501	0.0005	mg/kg dry	0.0500	100	85-115			
Selenium	0.247	0.0010	mg/kg dry	0.250	99.0	85-115			

LCS Dup (B308045-BS1)				Prepared: 06-Aug-13 Analyzed: 07-Aug-13					
Uranium	0.0509	0.0001	mg/kg dry	0.0500	102	85-115	1.48	20	
Manganese	0.0494	0.0005	mg/kg dry	0.0500	98.9	85-115	2.38	20	
Lead	0.0502	0.0005	mg/kg dry	0.0500	100	85-115	2.40	20	
Arsenic	0.0537	0.0005	mg/kg dry	0.0500	107	85-115	8.48	20	
Silver	0.0512	0.0001	mg/kg dry	0.0500	102	85-115	1.51	20	
Selenium	0.257	0.0010	mg/kg dry	0.250	103	85-115	3.96	20	
Cadmium	0.0521	0.0001	mg/kg dry	0.0500	104	85-115	1.10	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: C & C LANDFARM (NM-01-0012) V/
Project Number: C & C LANDFARM
Project Manager: Eddie Seay
Fax To: (505) 392-6949

Reported:
28-Aug-13 14:42

Total Metals by ICPMS - Quality Control**Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B308045 - EPA 3050M**LCS Dup (B308045-BSD1)**

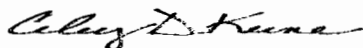
Prepared: 06-Aug-13 Analyzed: 07-Aug-13

Barium	0.0507	0.0005	mg/kg dry	0.0500		101	85-115	1.21	20	
Chromium	0.0501	0.0010	mg/kg dry	0.0500		100	85-115	1.67	20	
Zinc	0.0596	0.0010	mg/kg dry	0.0500		119	80-120	1.19	20	
Copper	0.0497	0.0001	mg/kg dry	0.0500		99.4	85-115	0.593	20	

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Celest D. Keene, Lab Director/Quality Manager

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 601 W. Illinois
 Hobbs NM, 88242

 Project: C & C LANDFARM (NM-01-0012) V/
 Project Number: C & C LANDFARM
 Project Manager: Eddie Seay
 Fax To: (505) 392-6949

 Reported:
 28-Aug-13 14:42

Total Mercury by CVAA - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B308022 - EPA 7471
Blank (B308022-BLK1)

Prepared & Analyzed: 02-Aug-13

Mercury ND 0.0002 mg/kg wet

LCS (B308022-BS1)

Prepared & Analyzed: 02-Aug-13

Mercury 0.0021 0.0002 mg/kg wet 0.00200 107 85-115

LCS Dup (B308022-BSD1)

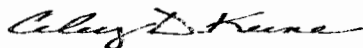
Prepared & Analyzed: 02-Aug-13

Mercury 0.0022 0.0002 mg/kg wet 0.00200 110 85-115 2.07 20

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Celey D. Keene, Lab Director/Quality Manager

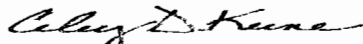
Notes and Definitions

Z-01	0.7 ± 0.2
SUB-SS	Analysis subcontracted to SunStar Laboratories, Inc.
SUB-RS	Analysis subcontracted to Radiation Safety Engineering, Inc.
GAL	Analysis subcontracted to Green Analytical Laboratories, a subsidiary of Cardinal Laboratories.
B1	Target analyte detected in method blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit.
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 39 of 39

Company Name: <u>Edwards Sam Consulting</u>		P.O. #:		ANALYSIS REQUEST																							
Project Manager:		Company:																									
Address:		Attn:																									
City:	State:	Zip:	Address:																								
Phone #:	Fax #:	Project Owner:	City:																								
Project #: <u>Ctc</u>			State:	Zip:																							
Project Name: <u>Ctc Longhorn</u>			Phone #:																								
Project Location:			Fax #:																								
Sampler Name: <u>Contaminated</u>		<u>Sup. Monitoring</u>																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME														
<u>H30788</u>																											
	<u>Cell H-1</u>											<u>7/29</u>	<u>6:45</u>	<u>EDC</u>	<u>DEG</u>	<u>PCE</u>	<u>TCE</u>	<u>Methylene Chloride</u>	<u>Chloroform</u>	<u>EDB</u>	<u>Trichloroethane</u>	<u>Tetrachloroethane</u>	<u>Vinyl Chloride</u>	<u>Polychlorinated Hydro.</u>			
	<u>Cell H-2</u>											<u>7/29</u>	<u>7:10</u>														
	<u>Cell H-3</u>											<u>7/29</u>	<u>8:00</u>														
	<u>Cell H-4</u>											<u>7/29</u>	<u>8:25</u>														
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Relinquished By: <u>Edwards Sam</u>		Date: <u>7/30</u>		Received By: <u>Jodi Benson</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																			
Relinquished By:		Time: <u>9am</u>		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																			
Delivered By: (Circle One)		Date:		Time:		REMARKS:																					
Sampler - UPS - Bus - Other:		Sample Condition		CHECKED BY:																							
		Cool Intact		(Initials)																							
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>JS</u>																							
		<input type="checkbox"/> No <input type="checkbox"/> No																									

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