

NM1 - 23

**MONITORING
REPORT**

YEAR(S):

2017-2018

J&L LANDFARM INC

PO BOX 356 HOBBS NM 88241

RECEIVED OCD

5/15/2017

2017 AUG 21 P 2:48

Oil Conservation Division – NMOCD
1120 South ST. Francis Drive
Santa Fe, NM 87505
ATTN: Brad Jones

1st Quarter 2017 Cell Testing

Dear Mr. Jones

Attached is the First Quarter Analytical Testing on the Vadose zone required for all active cells at J&L Landfarm Inc. Cells tested were 33, 40, 41, 42, 43, 44, 45, 47 and 49 of the pre 2007 cells, and 46, 51 and 52 of the post 2007 cells. Sample points are designated on the attached map. Please contact us if you have any questions. Thank you and have a great day!



Judy Roberts
Owner
Michelle Kuhn
Office/Landfarm Operations Mgr
J&L Landfarm inc 575-631-5766

Sample	Date	Depth	Chloride		BTEX		TPH				
Background (date):			Waiting on Background Approval					GRO		DRO/C10-C28	
Background (date):			RL	Results	RL	Results	RL	Results	RL	Results	
Cell #											
33	5/12/2017	3ft	16	16	0.3	<0.3	10	<10	10	<10	
45	5/12/2017	3ft	16	48	0.3	<0.3	10	<10	10	<10	
44	5/12/2017	3ft	16	32	0.3	<0.3	10	<10	10	<10	
43	5/12/2017	3ft	16	16	0.3	<0.3	10	<10	10	<10	
42	5/12/2017	3ft	16	32	0.3	<0.3	10	<10	10	<10	
41	5/12/2017	3ft	16	32	0.3	<0.3	10	<10	10	<10	
40	5/12/2017	3ft	16	16	0.3	<0.3	10	<10	10	<10	
47	5/12/2017	3ft	16	32	0.3	<0.3	10	<10	10	<10	
49	5/12/2017	3ft	16	64	0.3	<0.3	10	<10	10	<10	
46	5/12/2017	3ft	16	32	0.3	<0.3	10	<10	10	<10	



- X- Designates sample points @ 3ft.





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

May 12, 2017

JUDY ROBERTS

J & L LANDFARM INC

8301 EUNICE HWY

HOBBS, NM 88240

RE: VADOSE

Enclosed are the results of analyses for samples received by the laboratory on 05/04/17 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, prominent initial "C".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 33 (H701200-01)

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	05/05/2017	ND	1.86	93.1	2.00	0.758		
Toluene*	<0.050	0.050	05/05/2017	ND	1.72	85.8	2.00	0.799		
Ethylbenzene*	<0.050	0.050	05/05/2017	ND	1.69	84.6	2.00	0.614		
Total Xylenes*	<0.150	0.150	05/05/2017	ND	4.78	79.7	6.00	0.759		
Total BTEX	<0.300	0.300	05/05/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 96.2 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2017	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	05/12/2017	ND	180	89.9	200	4.56		
DRO >C10-C28	<10.0	10.0	05/12/2017	ND	201	101	200	3.13		

Surrogate: 1-Chlorooctane 84.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 95.4 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 40 (H701200-02)

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	05/05/2017	ND	1.86	93.1	2.00	0.758		
Toluene*	<0.050	0.050	05/05/2017	ND	1.72	85.8	2.00	0.799		
Ethylbenzene*	<0.050	0.050	05/05/2017	ND	1.69	84.6	2.00	0.614		
Total Xylenes*	<0.150	0.150	05/05/2017	ND	4.78	79.7	6.00	0.759		
Total BTEX	<0.300	0.300	05/05/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2017	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	05/05/2017	ND	180	89.9	200	4.56		
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	201	101	200	3.13		

Surrogate: 1-Chlorooctane 94.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.8 % 34.7-157

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 41 (H701200-03)

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	05/05/2017	ND	1.86	93.1	2.00	0.758		
Toluene*	<0.050	0.050	05/05/2017	ND	1.72	85.8	2.00	0.799		
Ethylbenzene*	<0.050	0.050	05/05/2017	ND	1.69	84.6	2.00	0.614		
Total Xylenes*	<0.150	0.150	05/05/2017	ND	4.78	79.7	6.00	0.759		
Total BTEX	<0.300	0.300	05/05/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/08/2017	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	05/05/2017	ND	191	95.5	200	2.60		
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93		

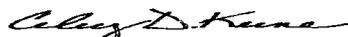
Surrogate: 1-Chlorooctane 50.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 73.4 % 34.7-157

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 42 (H701200-04)

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	05/05/2017	ND	1.86	93.1	2.00	0.758		
Toluene*	<0.050	0.050	05/05/2017	ND	1.72	85.8	2.00	0.799		
Ethylbenzene*	<0.050	0.050	05/05/2017	ND	1.69	84.6	2.00	0.614		
Total Xylenes*	<0.150	0.150	05/05/2017	ND	4.78	79.7	6.00	0.759		
Total BTEX	<0.300	0.300	05/05/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.3 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/08/2017	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	05/05/2017	ND	191	95.5	200	2.60		
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93		

Surrogate: 1-Chlorooctane 73.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 78.1 % 34.7-157

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 43 (H701200-05)

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	05/05/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/05/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/05/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/05/2017	ND	5.19	86.4	6.00	1.11	
Total BTEX	<0.300	0.300	05/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.7 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2017	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	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 60.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 73.4 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 44 (H701200-06)

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	05/05/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/05/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/05/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/05/2017	ND	5.19	86.4	6.00	1.11	
Total BTEX	<0.300	0.300	05/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PII) 96.2 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2017	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	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 53.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 54.1 % 34.7-157

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 45 (H701200-07)

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	05/05/2017	ND	2.07	104	2.00	0.495		
Toluene*	<0.050	0.050	05/05/2017	ND	1.88	93.8	2.00	0.446		
Ethylbenzene*	<0.050	0.050	05/05/2017	ND	1.82	91.0	2.00	0.875		
Total Xylenes*	<0.150	0.150	05/05/2017	ND	5.19	86.4	6.00	1.11		
Total BTEX	<0.300	0.300	05/05/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/08/2017	ND	416	104	400	0.00	QR-03	

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	05/05/2017	ND	191	95.5	200	2.60		
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93		

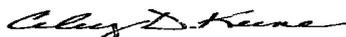
Surrogate: 1-Chlorooctane 56.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 69.7 % 34.7-157

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 46 (H701200-08)

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	05/05/2017	ND	2.07	104	2.00	0.495		
Toluene*	<0.050	0.050	05/05/2017	ND	1.88	93.8	2.00	0.446		
Ethylbenzene*	<0.050	0.050	05/05/2017	ND	1.82	91.0	2.00	0.875		
Total Xylenes*	<0.150	0.150	05/05/2017	ND	5.19	86.4	6.00	1.11		
Total BTEX	<0.300	0.300	05/05/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 95.8 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/08/2017	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	05/05/2017	ND	191	95.5	200	2.60		
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93		

Surrogate: 1-Chlorooctane 84.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.1 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 47 (H701200-09)

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	05/06/2017	ND	2.07	104	2.00	0.495		
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446		
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875		
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11		
Total BTEX	<0.300	0.300	05/06/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/08/2017	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	05/05/2017	ND	191	95.5	200	2.60		
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93		

Surrogate: 1-Chlorooctane 76.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.0 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 49 (H701200-10)

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	05/06/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11	
Total BTEX	<0.300	0.300	05/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.5 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/08/2017	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	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 71.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 91.3 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 51 (H701200-11)

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	05/06/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11	
Total BTEX	<0.300	0.300	05/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2017	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	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 63.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 65.8 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 JUDY ROBERTS
 8301 EUNICE HWY
 HOBBS NM, 88240
 Fax To: NA

 Received: 05/04/2017
 Reported: 05/12/2017
 Project Name: VADOSE
 Project Number: FIRST QUARTER 2017
 Project Location: LEA COUNTY, NM

 Sampling Date: 05/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CELL # 52 (H701200-12)

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	05/06/2017	ND	2.07	104	2.00	0.495	
Toluene*	<0.050	0.050	05/06/2017	ND	1.88	93.8	2.00	0.446	
Ethylbenzene*	<0.050	0.050	05/06/2017	ND	1.82	91.0	2.00	0.875	
Total Xylenes*	<0.150	0.150	05/06/2017	ND	5.19	86.4	6.00	1.11	
Total BTEX	<0.300	0.300	05/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.2 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/08/2017	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	05/05/2017	ND	191	95.5	200	2.60	
DRO >C10-C28	<10.0	10.0	05/05/2017	ND	211	105	200	2.93	

Surrogate: 1-Chlorooctane 57.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 68.6 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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 SM4500C-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 Mariand, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>J & L Landfarm</u>		BILL TO				ANALYSIS REQUEST											
Project Manager:		P.O. #:				<div style="display: flex; justify-content: space-around; font-size: 2em; font-weight: bold;"> TPH BTEX Chlorides </div>											
Address:		Company:															
City:	State:	Zip:	Attn:														
Phone #:	Fax #:		Address:														
Project #:	<u>Vadose 1st gr</u>		Project Owner:														
Project Name:	↓ <u>2017</u>		City:														
Project Location:	<u>Lea County Nm</u>		State: Zip:														
Sampler Name:	<u>Michelle Kuhn</u>		Phone #:														
Fax #:																	
FOR LAB USE ONLY																	
Lab I.D.		Sample I.D.		# CONTAINERS	MATRIX						PRESERV.			SAMPLING			
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME		
<u>H-701200</u>				1													
1		Cell # 33		1			X							<u>503-17</u>			
2		# 40		1			X										
3		# 41		1			X										
4		# 42		1			X										
5		# 43		1			X										
6		# 44		1			X										
7		# 45		1			X										
8		# 46		1			X										
9		# 47		1			X										
10		# 48		1			X										

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Relinquished By:		Date:	Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:
		Time:			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:
Relinquished By:		Date:	Received By:		REMARKS: <div style="font-size: 1.5em; font-family: cursive;"> email to: j1rob9697@aol.com the headspace. 50. </div>		
<u>Michelle Kuhn</u>		<u>5-4-17</u>	<u>Michelle Kuhn</u>				
Delivered By: (Circle One)		Time:	CHECKED BY: (Initials)				
Sampler - UPS - Bus - Other:		<u>-2.80</u>	Sample Condition	<u>to #1</u>			
			Cool Intact				
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				

J&L LANDFARM INC

PO BOX 356 HOBBS NM 88241

2/13/2017

Oil Conservation Division – NMOCD
1120 South ST. Francis Drive
Santa Fe, NM 87505
ATTN: Brad Jones

4th Quarter 2016 Cell Testing

Dear Mr. Jones

Attached is the Third Quarter Analytical Testing on the Vadose zone required for all active cells at J&L Landfarm Inc. Cells tested were 33, 40, 41, 42, 43, 44, 45, 47 and 49. The designated cells were also tested for RCRA metals. Sample points are designated on the attached map. Because cells 46, 51 and 52 were post 2007 and are under the semi annual testing requirements, they were not tested this quarter. Because of this RCRA Metals testing was not performed. Those three cells will be tested for RCRA Metals on the first quarter testing of 2017. Please contact us if you have any questions. Thank you and have a great day!



Judy Roberts
Owner
Michelle Kuhn
Office/Landfarm Operations Mgr
J&L Landfarm inc 575-631-5766

RECEIVED OGD
2017 MAR 05 A 055



Google Earth

feet
meters

3000
900



X - designates sample points @ 3'

February 10, 2017

JUDY ROBERTS

J & L LANDFARM INC

8301 EUNICE HWY

HOBBS, NM 88240

RE: QUARTERLY SAMPLING

Enclosed are the results of analyses for samples received by the laboratory on 01/26/17 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

Method EPA 552.2	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:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL #33	H700194-01	Soil	26-Jan-17 00:00	26-Jan-17 14:45
CELL #40	H700194-02	Soil	26-Jan-17 00:00	26-Jan-17 14:45
CELL #41	H700194-03	Soil	26-Jan-17 00:00	26-Jan-17 14:45
CELL #42	H700194-04	Soil	26-Jan-17 00:00	26-Jan-17 14:45
CELL #43	H700194-05	Soil	26-Jan-17 00:00	26-Jan-17 14:45
CELL #44	H700194-06	Soil	26-Jan-17 00:00	26-Jan-17 14:45
CELL #45	H700194-07	Soil	26-Jan-17 00:00	26-Jan-17 14:45
CELL #47	H700194-08	Soil	26-Jan-17 00:00	26-Jan-17 14:45
CELL #49	H700194-09	Soil	26-Jan-17 00:00	26-Jan-17 14:45

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

CELL #33
H700194-01 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	7012709	AC	30-Jan-17	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7013003	MS	31-Jan-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7013003	MS	31-Jan-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7013003	MS	31-Jan-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7013003	MS	31-Jan-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7013003	MS	31-Jan-17	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	73.6-140		7013003	MS	31-Jan-17	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	

Surrogate: 1-Chlorooctane			86.3 %	35-147		7012704	MS	28-Jan-17	8015B	
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Surrogate: 1-Chloroadecane			91.0 %	28-171		7012704	MS	28-Jan-17	8015B	
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Green Analytical Laboratories
General Chemistry

% Dry Solids	88.1			%	1	B702040	BDV	06-Feb-17	EPA160.3/16 84	H2
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Total Metals by ICP

Arsenic	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Barium	74.7		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Chromium	8.14		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #33
H700194-01 (Soil)

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Mercury	<0.114		0.114	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

CELL #40
H700194-02 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	7012709	AC	30-Jan-17	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7013003	MS	31-Jan-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7013003	MS	31-Jan-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7013003	MS	31-Jan-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7013003	MS	31-Jan-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7013003	MS	31-Jan-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	73.6-140		7013003	MS	31-Jan-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctane			74.5 %	35-147		7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctadecane			69.1 %	28-171		7012704	MS	28-Jan-17	8015B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	89.7			%	1	B702040	BDV	06-Feb-17	EPA160.3/16 84	H2
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Total Metals by ICP

Arsenic	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Barium	72.3		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Chromium	8.53		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

CELL #40
H700194-02 (Soil)

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Mercury	<0.111		0.111	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #41
H700194-03 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	7012709	AC	30-Jan-17	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.6-140		7013104	MS	31-Jan-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
DRO >C10-C28	20.4		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctane			91.4 %	35-147		7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctadecane			100 %	28-171		7012704	MS	28-Jan-17	8015B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	89.4			%	1	B702040	BDV	06-Feb-17	EPA160.3/16 84	H2
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Total Metals by ICP

Arsenic	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Barium	76.2		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Chromium	8.43		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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**CELL #41
H700194-03 (Soil)**

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

Total Mercury by CVAA

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Mercury	<0.112		0.112	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #42
H700194-04 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	7012709	AC	30-Jan-17	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	73.6-140		7013104	MS	31-Jan-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctane			87.3 %	35-147		7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctadecane			91.2 %	28-171		7012704	MS	28-Jan-17	8015B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	90.2			%	1	B702040	BDV	06-Feb-17	EPA160.3/16 84	H2
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Total Metals by ICP

Arsenic	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Barium	70.2		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Chromium	8.10		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #42
H700194-04 (Soil)

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Mercury	<0.111		0.111	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #43
H700194-05 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	7012709	AC	30-Jan-17	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	73.6-140		7013104	MS	31-Jan-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctane			74.6 %	35-147		7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctadecane			76.3 %	28-171		7012704	MS	28-Jan-17	8015B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	90.4			%	1	B702040	BDV	06-Feb-17	EPA160.3/16 84	H2
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Total Metals by ICP

Arsenic	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Barium	66.4		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Chromium	8.23		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

CELL #43
H700194-05 (Soil)

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

Mercury	<0.111		0.111	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #44
H700194-06 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	7012709	AC	30-Jan-17	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.6-140		7013104	MS	31-Jan-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
DRO >C10-C28	26.8		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctane			77.1 %	35-147		7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctadecane			80.5 %	28-171		7012704	MS	28-Jan-17	8015B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	90.7			%	1	B702040	BDV	06-Feb-17	EPA160.3/16 84	H2
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Total Metals by ICP

Arsenic	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Barium	81.7		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Chromium	8.26		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #44
H700194-06 (Soil)

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Mercury	<0.110		0.110	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

CELL #45
H700194-07 (Soil)

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

Chloride	80.0		16.0	mg/kg	4	7012709	AC	30-Jan-17	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	73.6-140		7013104	MS	31-Jan-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctane			79.8 %	35-147		7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctadecane			81.0 %	28-171		7012704	MS	28-Jan-17	8015B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	90.2			%	1	B702040	BDV	06-Feb-17	EPA160.3/16 84	H2
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Total Metals by ICP

Arsenic	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Barium	63.3		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Chromium	7.84		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	

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Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #45
H700194-07 (Soil)

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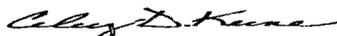
Green Analytical Laboratories
Total Mercury by CVAA

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Mercury	<0.111		0.111	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

CELL #47
H700194-08 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	7012709	AC	30-Jan-17	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.6-140		7013104	MS	31-Jan-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctane			76.3 %	35-147		7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctadecane			76.8 %	28-171		7012704	MS	28-Jan-17	8015B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	89.4			%	1	B702040	BDV	06-Feb-17	EPA160.3/16 84	H2
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Total Metals by ICP

Arsenic	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Barium	71.2		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Chromium	7.60		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	

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Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #47
H700194-08 (Soil)

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Mercury	<0.112		0.112	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

CELL #49
H700194-09 (Soil)

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

Chloride	<16.0		16.0	mg/kg	4	7012709	AC	30-Jan-17	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7013104	MS	31-Jan-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.6-140		7013104	MS	31-Jan-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctane			84.0 %	35-147		7012704	MS	28-Jan-17	8015B	
Surrogate: 1-Chlorooctadecane			87.0 %	28-171		7012704	MS	28-Jan-17	8015B	

Green Analytical Laboratories
General Chemistry

% Dry Solids	90.2			%	1	B702040	BDV	06-Feb-17	EPA160.3/16 84	H2
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Total Metals by ICP

Arsenic	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Barium	72.4		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Chromium	8.07		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B702042	LLG	07-Feb-17	6010B	

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Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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CELL #49
H700194-09 (Soil)

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Mercury	<0.111		0.111	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	

Cardinal Laboratories

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Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

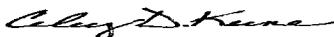
Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7012709 - 1:4 DI Water										
Blank (7012709-BLK1)				Prepared & Analyzed: 27-Jan-17						
Chloride	ND	16.0	mg/kg							
LCS (7012709-BS1)				Prepared & Analyzed: 27-Jan-17						
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (7012709-BSD1)				Prepared & Analyzed: 27-Jan-17						
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	

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 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7013003 - Volatiles
Blank (7013003-BLK1)

Prepared & Analyzed: 30-Jan-17

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)	0.0522		mg/kg	0.0500		104	73.6-140			

LCS (7013003-BS1)

Prepared & Analyzed: 30-Jan-17

Benzene	1.93	0.050	mg/kg	2.00		96.7	82.6-122			
Toluene	1.95	0.050	mg/kg	2.00		97.5	72.9-122			
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	65.4-131			
Total Xylenes	5.70	0.150	mg/kg	6.00		95.1	73.8-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	73.6-140			

LCS Dup (7013003-BSD1)

Prepared & Analyzed: 30-Jan-17

Benzene	1.93	0.050	mg/kg	2.00		96.6	82.6-122	0.0680	8.23	
Toluene	1.95	0.050	mg/kg	2.00		97.4	72.9-122	0.0817	8.71	
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	65.4-131	0.340	9.46	
Total Xylenes	5.69	0.150	mg/kg	6.00		94.9	73.8-125	0.184	8.66	
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	73.6-140			

Batch 7013104 - Volatiles
Blank (7013104-BLK1)

Prepared & Analyzed: 31-Jan-17

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)	0.0515		mg/kg	0.0500		103	73.6-140			

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7013104 - Volatiles
LCS (7013104-BS1)

Prepared & Analyzed: 31-Jan-17

Benzene	1.75	0.050	mg/kg	2.00		87.3	82.6-122			
Toluene	1.76	0.050	mg/kg	2.00		88.2	72.9-122			
Ethylbenzene	1.82	0.050	mg/kg	2.00		90.9	65.4-131			
Total Xylenes	5.18	0.150	mg/kg	6.00		86.3	73.8-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	73.6-140			

LCS Dup (7013104-BSD1)

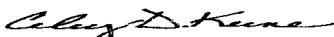
Prepared & Analyzed: 31-Jan-17

Benzene	1.78	0.050	mg/kg	2.00		89.1	82.6-122	2.04	8.23	
Toluene	1.81	0.050	mg/kg	2.00		90.3	72.9-122	2.36	8.71	
Ethylbenzene	1.86	0.050	mg/kg	2.00		93.1	65.4-131	2.38	9.46	
Total Xylenes	5.29	0.150	mg/kg	6.00		88.1	73.8-125	2.16	8.66	
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	73.6-140			

Cardinal Laboratories

* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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Petroleum Hydrocarbons by GC FID - 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 7012704 - General Prep - Organics
Blank (7012704-BLK1)

Prepared: 27-Jan-17 Analyzed: 28-Jan-17

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							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.7		mg/kg	50.0		91.4	35-147			
Surrogate: 1-Chlorooctadecane	43.6		mg/kg	50.0		87.2	28-171			

LCS (7012704-BS1)

Prepared: 27-Jan-17 Analyzed: 28-Jan-17

GRO C6-C10	192	10.0	mg/kg	200		96.1	76.7-115			
DRO >C10-C28	208	10.0	mg/kg	200		104	78.3-122			
Total TPH C6-C28	400	10.0	mg/kg	400		100	79.8-117			
Surrogate: 1-Chlorooctane	50.1		mg/kg	50.0		100	35-147			
Surrogate: 1-Chlorooctadecane	51.6		mg/kg	50.0		103	28-171			

LCS Dup (7012704-BSD1)

Prepared: 27-Jan-17 Analyzed: 28-Jan-17

GRO C6-C10	192	10.0	mg/kg	200		96.2	76.7-115	0.0655	9.42	
DRO >C10-C28	214	10.0	mg/kg	200		107	78.3-122	2.56	13.2	
Total TPH C6-C28	406	10.0	mg/kg	400		102	79.8-117	1.37	10.7	
Surrogate: 1-Chlorooctane	50.6		mg/kg	50.0		101	35-147			
Surrogate: 1-Chlorooctadecane	54.5		mg/kg	50.0		109	28-171			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

J & L LANDFARM INC 8301 EUNICE HWY HOBBS NM, 88240	Project: QUARTERLY SAMPLING Project Number: NONE GIVEN Project Manager: JUDY ROBERTS Fax To: NA	Reported: 10-Feb-17 12:38
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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 B702040 - General Prep - Wet Chem
Duplicate (B702040-DUP1)

Source: 1702018-01

Prepared & Analyzed: 06-Feb-17

% Dry Solids	63.7		%		70.5			10.1	20	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS, NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

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 B702042 - EPA 3050
Blank (B702042-BLK1)

Prepared & Analyzed: 07-Feb-17

Arsenic	ND	0.100	mg/kg dry							
Chromium	ND	0.050	mg/kg dry							
Lead	ND	0.100	mg/kg dry							
Barium	ND	0.050	mg/kg dry							
Silver	ND	0.050	mg/kg dry							
Cadmium	ND	0.050	mg/kg dry							
Selenium	ND	0.200	mg/kg dry							

LCS (B702042-BS1)

Prepared & Analyzed: 07-Feb-17

Chromium	1.93	0.050	mg/kg dry	2.00		96.4	85-115			
Arsenic	3.87	0.100	mg/kg dry	4.00		96.6	85-115			
Cadmium	1.82	0.050	mg/kg dry	2.00		91.2	85-115			
Barium	1.97	0.050	mg/kg dry	2.00		98.6	85-115			
Selenium	7.74	0.200	mg/kg dry	8.00		96.8	85-115			
Lead	1.86	0.100	mg/kg dry	2.00		93.0	85-115			
Silver	0.093	0.050	mg/kg dry	0.100		93.1	85-115			

LCS Dup (B702042-BSD1)

Prepared & Analyzed: 07-Feb-17

Cadmium	1.82	0.050	mg/kg dry	2.00		90.8	85-115	0.506	20	
Silver	0.093	0.050	mg/kg dry	0.100		93.3	85-115	0.264	20	
Lead	1.86	0.100	mg/kg dry	2.00		93.0	85-115	0.0411	20	
Chromium	1.93	0.050	mg/kg dry	2.00		96.4	85-115	0.0828	20	
Arsenic	3.86	0.100	mg/kg dry	4.00		96.6	85-115	0.0996	20	
Barium	1.97	0.050	mg/kg dry	2.00		98.6	85-115	0.0131	20	
Selenium	7.70	0.200	mg/kg dry	8.00		96.3	85-115	0.544	20	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 J & L LANDFARM INC
 8301 EUNICE HWY
 HOBBS NM, 88240

 Project: QUARTERLY SAMPLING
 Project Number: NONE GIVEN
 Project Manager: JUDY ROBERTS
 Fax To: NA

 Reported:
 10-Feb-17 12:38

Total Mercury by CVAA - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
Batch B702056 - EPA 245.1/7470										
Blank (B702056-BLK1)										
Prepared & Analyzed: 08-Feb-17										
Mercury	ND	0.0002	mg/kg wet							
LCS (B702056-BS1)										
Prepared & Analyzed: 08-Feb-17										
Mercury	0.0020	0.0002	mg/kg wet	0.00200		98.9	85-115			
LCS Dup (B702056-BSD1)										
Prepared & Analyzed: 08-Feb-17										
Mercury	0.0020	0.0002	mg/kg wet	0.00200		100	85-115	1.21	20	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- H2 Sample analysis performed past hold time specified by the method.
- 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

