

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

Sample	Date	Depth	Chloride		BTEX		TPH			
Background (date):			Waiting on Background Approval							
Background (date):			GRO						DRO/C10-C28	
			RL	Results	RL	Results	RL	Results	RL	Results
Cell # 51	5/12/2017	3ft	16	32	0.3	<0.3	10	<10	10	<10
Cell # 52	5/12/2017	3ft	16	48	0.3	<0.3	10	<10	10	<10
Cell #		3ft	16		0.3		10		10	
Cell #		3ft	16		0.3		10		10	
Cell #		3ft	16		0.3		10		10	
Cell #		3ft	16		0.3		10		10	
Cell #		3ft	16		0.3		10		10	
Cell #		3ft	16		0.3		10		10	
Cell #		3ft	16		0.3		10		10	
Cell#		3ft	16		0.3		10		10	



X- Designates sample points @ 3ft.

45

Bill



CARDINAL
Laboratories

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/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	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:

 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 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	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, 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	05/12/2017	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



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

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)

BTX 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	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 BTX	<0.300	0.300	05/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 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

Cardinal Laboratories

* = Accredited Analyte

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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
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	

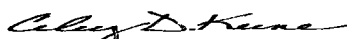
Surrogate: 1-Chlorooctane 73.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 78.1 % 34.7-157

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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)

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	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 BTX	<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	

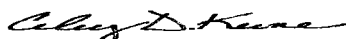
Surrogate: 1-Chlorooctane 60.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 73.4 % 34.7-157

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* = 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 # 44 (H701200-06)

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	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 BTX	<0.300	0.300	05/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 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	

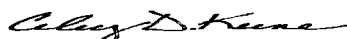
Surrogate: 1-Chlorooctane 53.2 % 28.3-164

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)

BTX 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 BTX	<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	

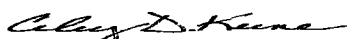
Surrogate: 1-Chlorooctane 56.7 % 28.3-164

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	

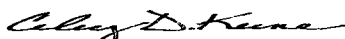
Surrogate: 1-Chlorooctane 84.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.1 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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 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 (PIB) 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

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 # 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	

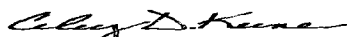
Surrogate: 1-Chlorooctane 71.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 91.3 % 34.7-157

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* = 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 # 51 (H701200-11)

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	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 BTX	<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	

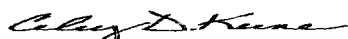
Surrogate: 1-Chlorooctane 63.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 65.8 % 34.7-157

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 # 52 (H701200-12)

BTX 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 BTX	<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	

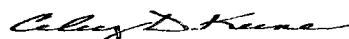
Surrogate: 1-Chlorooctane 57.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 68.6 % 34.7-157

Cardinal Laboratories

* = Accredited Analyte

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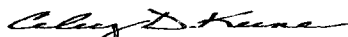
Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories***=Accredited Analyte**

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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. #:																															
Address:				Company:																															
City:		State:		Zip:		Attn:																													
Phone #:		Fax #:		Address:																															
Project #:		Project Owner:		City:																															
Project Name:		2017		State:																Zip:															
Project Location: <u>Lea County Nm</u>				Phone #:																															
Sampler Name: <u>Michelle Kuhn</u>				Fax #:																															
FOR LAB USE ONLY				MATRIX				PRESERV.				SAMPLING																							
Lab I.D.		Sample I.D.		G/RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		TPH		BTEx		Chlorides	
H701200																																			
1		Cell # 33		1								X														503-17									
2		# 40		2								X																							
3		# 41		3								X																							
4		# 42		4								X																							
5		# 43		5								X																							
6		# 44		6								X																							
7		# 45		7								X																							
8		# 46		8								X																							
9		# 47		9								X																							
10		# 48		10								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: email to : jlrob96972@aol.com the headspace to.			
Michelle Kuhn		5-4-17		Laura Salas					
Time:		1:50		Time:					
Delivered By: (Circle One)		Sample Condition		CHECKED BY:					
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)					
		<input type="checkbox"/> Yes <input type="checkbox"/> No		-2.80					



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

[illegible]

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

Relinquished By:		Date:	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 #:
				REMARKS:	
Relinquished By:		Date:	Received By:		
<i>Michael D. Kuhn</i>		5-4-17	<i>Amara Oldaker</i>		
		Time:			
		1:50			
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)	
		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		TO #25	
		- 2.8°C		<i>has head space. T.D.</i>	

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

J&L LANDFARM INC

PO BOX 356 HOBBS NM 88241

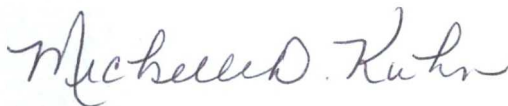
2/13/2017

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

2017 MAR 25 A 10:55
RECEIVED OGD



Google Earth

feet
meters

3000
900



X - designates sample points @ 3'

Sample	Date	Depth	Chloride	BTEX	TPH
Background (date): Waiting on Background Approval					
Background (date): GRO DRO/C10-C28					
			RL	Results	RL Results RL Results RL Results
Cell # 33	1/26/2017	3ft	16	<16	0.3 <0.3 10 <10 10 <10
Cell # 45	1/26/2017	3ft	16	80	0.3 <0.3 10 <10 10 <10
Cell # 44	1/26/2017	3ft	16	<16	0.3 <0.3 10 <10 10 26.8
Cell # 43	1/26/2017	3ft	16	<16	0.3 <0.3 10 <10 10 <10
Cell # 42	1/26/2017	3ft	16	<16	0.3 <0.3 10 <10 10 <10
Cell # 41	1/26/2017	3ft	16	<16	0.3 <0.3 10 <10 10 20.4
Cell # 40	1/26/2017	3ft	16	<16	0.3 <0.3 10 <10 10
Cell # 47	1/26/2017	3ft	16	<16	0.3 <0.3 10 <10 10 <10
Cell # 49	1/26/2017	3ft	16	<16	0.3 <0.3 10 <10 10 <10

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)

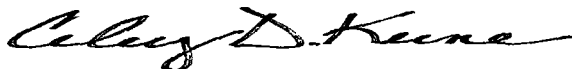
Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

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

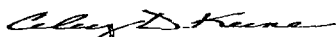
Reported:
10-Feb-17 12:38

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

Cardinal Laboratories

*=Accredited Analyte

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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	
Surrogate: 1-Chlorooctadecane			91.0 %	28-171		7012704	MS	28-Jan-17	8015B	

Green Analytical Laboratories
General Chemistry

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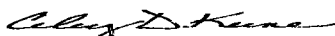
Total Metals by ICP

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	

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

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

Mercury	<0.114		0.114	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 #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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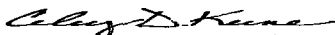
Total Metals by ICP

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	

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, 88240Project: QUARTERLY SAMPLING
Project Number: NONE GIVEN
Project Manager: JUDY ROBERTS
Fax To: NAReported:
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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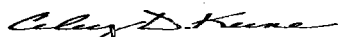
Green Analytical Laboratories**Total Mercury by CVAA**

Mercury	<0.111		0.111	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	
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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 #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

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

Mercury	<0.112	0.112	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471		
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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

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



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

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

Mercury	<0.111		0.111	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	
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Cardinal Laboratories

*=Accredited Analyte

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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, 88240Project: QUARTERLY SAMPLING
Project Number: NONE GIVEN
Project Manager: JUDY ROBERTS
Fax To: NAReported:
10-Feb-17 12:38CELL #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	

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

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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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 #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



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

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

Mercury	<0.110	0.110	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	
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Cardinal Laboratories

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Celey D. Keene

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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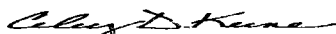
Total Metals by ICP

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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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

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

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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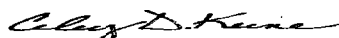
Total Metals by ICP

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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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:J & L LANDFARM INC
8301 EUNICE HWY
HOBBS NM, 88240Project: QUARTERLY SAMPLING
Project Number: NONE GIVEN
Project Manager: JUDY ROBERTS
Fax To: NAReported:
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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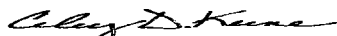
Green Analytical Laboratories**Total Mercury by CVAA**

Mercury	<0.112	0.112	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	
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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

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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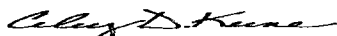
Total Metals by ICP

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	

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, 88240Project: QUARTERLY SAMPLING
Project Number: NONE GIVEN
Project Manager: JUDY ROBERTS
Fax To: NAReported:
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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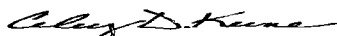
Green Analytical Laboratories**Total Mercury by CVAA**

Mercury	<0.111		0.111	mg/kg dry	500	B702056	LLG	08-Feb-17	EPA7471	
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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

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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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

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)

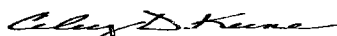
Prepared & Analyzed: 31-Jan-17

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			

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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

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)

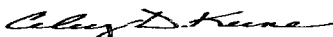
Prepared & Analyzed: 31-Jan-17

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			

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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, 88240Project: QUARTERLY SAMPLING
Project Number: NONE GIVEN
Project Manager: JUDY ROBERTS
Fax To: NAReported:
10-Feb-17 12:38**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



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

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)

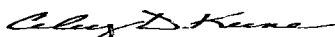
Prepared & Analyzed: 07-Feb-17

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 Limits	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

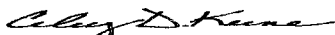
Notes and Definitions

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: J&L Landfarm		BILL TO		ANALYSIS REQUEST																						
Project Manager: Michelle Kuhn		P.O. #:		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">RCRA</div> </div>																						
Address: P.O. Box 356		Company:																								
City: Hobbs State: NM Zip: 88241		Attn:																								
Phone #: 575-390-7446 Fax #:		Address:																								
Project #:		City:																								
Project Name:		State: Zip:																								
Project Location:		Phone #:																								
Sampler Name: Michelle Kuhn		Fax #:																								
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
HT0004	Cell #												1-26-01													
1	33																									
2	40																									
3	41																									
4	42																									
5	43																									
6	44																									
7	45																									
8	47																									
9	49																									

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Relinquished By: Michelle Kuhn		Date: 1/26/01		Received By: Jolli Henson		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Time: 2:45		Time:		Time:		REMARKS: Email to j1rob9697@aol.com			
Time:		Time:		Time:					
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #75				Sample Condition Cool <input checked="" type="checkbox"/> Antact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: JH			