

RECEIVED

By JKeyes at 1:50 pm, Apr 08, 2016



APPROVED

CMU B #52

REMEDIATION WORK PLAN

API No. 30-025-01480

Release Date: October 13, 2015

Unit Letter G, Section 19, Township 17 South, Range 33 East

November 19, 2015

Prepared by:

Michael Burton, Environmental Operations Director

Environmental Department

Diversified Field Service, Inc.

206 W. Snyder

Hobbs, NM 88240

Phone: (575)964-8394

Fax: (575)393-8396

Kellie Jones
Environmental Specialist
NM Oil Conservation District-Division 2
1625 N. French
Hobbs, NM 88240

RE: Linn Energy, CMU #52– Remediation Work Plan
UL/G, Section 19, T17S, R33E
API No. 30-025-01480

Ms. Jones,

Linn Energy (Linn) has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located southeast of Maljamar, NM, in Lea County. The leak site resulted from a failure in a four inch fiberglass line. The impacted area is in the pasture and on a lease road. Approximately 75-100 bbls of produced water was released, with none recovered. A site map is attached. A C-141 was drafted to the NMOCD on October 13, 2015.

Site Assessment and Delineation

On October 13, 2015 DFSI personnel responded to the release site and dug up the line so a crew could fix it. DFSI then scraped up the affected area to minimize the environmental impact

On October 23, 2015 DFSI personnel returned to the site and sampled the spill area. DFSI sampled 14 points of the spill area. The samples were tested for chloride levels as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). Clean samples were attained on all of the 14 samples and sent to a lab for confirmation. Those samples, along with the field sampling results, are attached.

DFSI has conducted a groundwater study of the area and has determined that according to the New Mexico Office of the State Engineer the average depth to groundwater for this area is 190 foot below ground surface. Therefore, no eminent danger of groundwater impact or threat to life is anticipated.

Conclusion

After careful review DFSI, on behalf of Linn Energy, would like to propose the following: Excavate in the areas of SP #1, and SP #11 to 1' BGS. Excavate in the areas of SP #6, SP #7, SP #8 and SP #12 to 2' BGS. Excavate in the areas of SP #2, SP #4, SP #5, SP #13 and SP #14 to 3' BGS. Excavate in the areas of SP # 3. SP #9 and SP #10 to 4' BGS and install either a .20 mil liner or river rock as a barrier before backfill. Native topsoil will then be brought in for backfill, and all contaminated materials will be hauled to an approved NM State Disposal. The lease road will be rebuilt as per BLM specifications. Once backfilled, the area will be seeded with an approved BLM mixture.

Following the approval of the above plan, DFSI will submit all proper closure documentation to the NMOCD and BLM in accordance to the State and Federal Guidelines set forth.

Please feel free to contact me with any questions concerning this remediation plan request.

Sincerely,



Michael Burton
Environmental Operations Director
Diversified Field Service, Inc.
206 West Snyder
Hobbs, NM 88240
Office: (575)964-8394
Mobile: (575)390-5454
Fax: (575)964-8396
Email: Mburton@diversifiedfsi.com

Attachments: Initial Form C-141
Site/Sample Map
Sample Data
Groundwater Data

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR Initial Report Final Report

Name of Company	Linn Operating Inc.	Contact	E.L. Gonzales
Address	2130 W Bender Blvd Hobbs, NM 88240	Telephone No.	575-738-1739
Facility Name	CMU B #52	Facility Type	Injection
Surface Owner	State	Mineral Owner	API No. 30-025-01480

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	19	17S	33E	1980	North	1980	East	LEA

Latitude 32.821846 Longitude -103.7004013

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	75-100 bbls	Volume Recovered	0
Source of Release	FG- pipeline	Date and Hour of Occurrence	10/13/2015	Date and Hour of Discovery	10/13/2015 8:00am
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Received an alarm callout at approximately 5:45am for a pump failure. Upon arrival to location we noticed that the pump had turned off and we had lost pressure from the pump. This gave evidence that we had some type of release out in the field. We promptly began searching for the release and found it at approximately 8:00 am. Once located we began shutting down wells and injection lines. Once controlled and the liquid had stopped flowing out of the line we were able to determine that a 4 inch fiberglass line and flange gave way and released produced water into the area.

Describe Area Affected and Cleanup Action Taken.* This happened roughly 30yards west of the well head CMU-B #52 along the north side of the road. Fluid ran approximately 2/10 of a mile south along the road that was no more than 3ft wide the entire way and then turned southwest down a small crest approximately 650ft that was no more than 4ft wide and dispersed into the pasture. The total amount of fluid released is 75-100 bbls with 0 bbls being recovered.

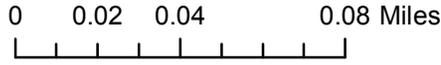
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: E.L. Gonzales	Approved by Environmental Specialist:		
Title: Production Supervisor	Approval Date:	Expiration Date:	
E-mail Address: elgonzales@linenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 10/13/2015	Phone: 505-504-8002		

* Attach Additional Sheets If Necessary

Site Diagram

Linn, CMU 52
Lea County, NM
Drafted By: Lance Crenshaw, 10-13-15



Legend

Misc_points

Types

- Electrical Box
- Power Pole
- Headers
- Injection
- Pumpjacks
- Tanks
- Valves
- Other
- Soil Bores
- sample_pts
- Source

Pipeline

Type

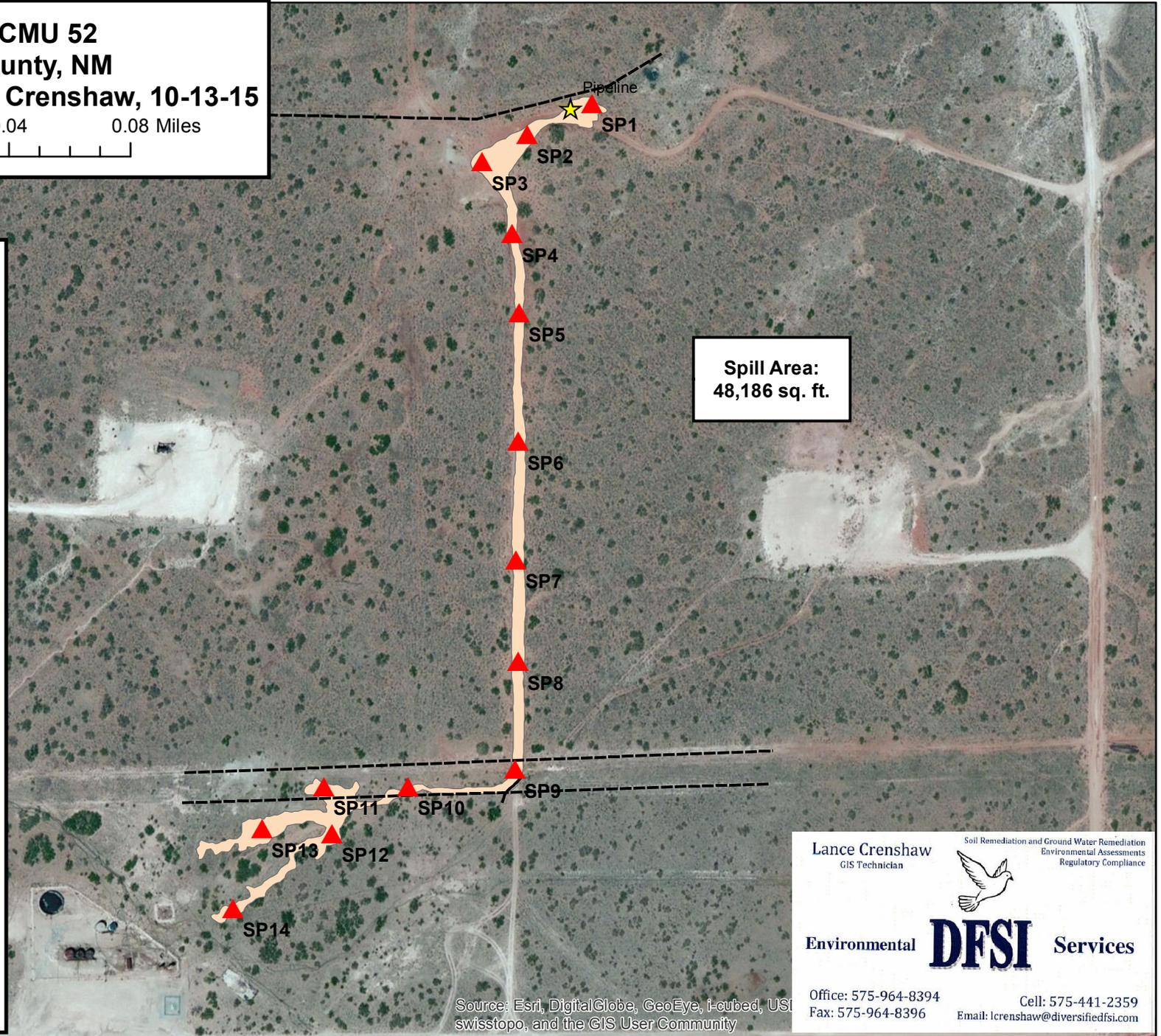
- Above Ground Line
- Buried Line

Spill

- <all other values>

Spill_Media

- Oil and Produced H2O
- Oil
- Other
- Produced Water



Spill Area:
48,186 sq. ft.

Lance Crenshaw
GIS Technician

Soil Remediation and Ground Water Remediation
Environmental Assessments
Regulatory Compliance

Environmental DFSI Services

Office: 575-964-8394
Fax: 575-964-8396

Cell: 575-441-2359
Email: lcrenshaw@diversifiedfsi.com

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USA swisstopo, and the GIS User Community



CMU B #052

PHOTO PAGE



Lease sign marking location



Spill area on road



Spill area running along road



Spill area in pasture



Spill area in pasture



Spill area in and alongside lease road



Spill area after initial scrape; collecting soil samples

Diversified Environmental Services

SP6	CHL	PID	SP7	CHL	PID	SP8	CHL	PID	SP9	CHL	PID	SP10	CHL	PID
Surface	474	1.3	Surface	948	3.2	Surface	4,099	0.7	Surface	874	0.6	Surface	299	0.6
1'	284	0.2	1'	252	0.6	1'	444	0.4	1'	2,356	0.5	1'	3,612	0.6
2'	845	0.4	2'	870	0.6	2'	615	0.4	2'	1,053	0.6	2'	3,108	0.5
3'	743	0.3	3'	543	0.7	3'	585	0.8	3'	947	0.4	3'	2,064	0.5
									4'	3,049	3.6	4'	1,228	0.6
									5'	420	0.9	5'	1,424	1.3
Lab 2'	896	TPH 0	Lab 2'	752	TPH 0	Lab 2'	720	TPH 0	6'	123	1.3	6'	1,674	0.9
Lab 3'	944	TPH 0	Lab 3'	656	TPH 0	Lab 3'	576	TPH 0				7'	1,874	0.9
												8'	1,636	1.2
									Lab 5'	640	TPH 0	9'	794	1
									Lab 6'	416	TPH 0	10'	1,377	0.7
												11'	1,307	0.5
												12'	1,162	0.5
												13'	1,133	0.8
												14'	941	0.6
												15'	779	1.3
												Lab 14'	1070	TPH 0
												Lab 15'	832	TPH 0

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

November 02, 2015

BOB AKIN

LINN OPERATING-HOBBS

2130 W. BENDER

HOBBS, NM 88240

RE: CMU #52

Enclosed are the results of analyses for samples received by the laboratory on 10/27/15 8:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/22/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 1 @ 1' (H502794-01)

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	10/28/2015	ND	2.04	102	2.00	0.447	
Toluene*	<0.050	0.050	10/28/2015	ND	2.26	113	2.00	0.556	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	1.84	
Total BTEX	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/29/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 93.4 % 47.2-157
Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/22/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 1 @ 2' (H502794-02)

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	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/27/2015	ND	200	100	200	0.0838		
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119		

Surrogate: 1-Chlorooctane 90.4 % 47.2-157
Surrogate: 1-Chlorooctadecane 97.5 % 52.1-176

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/22/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 2 @ 3' (H502794-03)

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	10/28/2015	ND	2.09	105	2.00	0.649	
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86	
Total BTEX	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 88.1 % 47.2-157
Surrogate: 1-Chlorooctadecane 95.4 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/22/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 2 @ 4' (H502794-04)

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	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/27/2015	ND	200	100	200	0.0838		
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119		

Surrogate: 1-Chlorooctane 88.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.5 % 52.1-176

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 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/26/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 3 @ 8' (H502794-05)

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	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/27/2015	ND	200	100	200	0.0838		
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119		

Surrogate: 1-Chlorooctane 99.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/26/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 3 @ 9' (H502794-06)

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	10/28/2015	ND	2.09	105	2.00	0.649	
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86	
Total BTEX	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 94.7 % 47.2-157
Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/22/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 4 @ 3' (H502794-07)

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	10/28/2015	ND	2.09	105	2.00	0.649	
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86	
Total BTEX	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/27/2015	ND	200	100	200	0.0838	
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	206	103	200	0.119	

Surrogate: 1-Chlorooctane 98.0 % 47.2-157
Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/22/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 4 @ 4' (H502794-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/27/2015	ND	212	106	200	1.09		
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	217	109	200	0.924		

Surrogate: 1-Chlorooctane 88.0 % 47.2-157
Surrogate: 1-Chlorooctadecane 92.7 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

 Received: 10/27/2015
 Reported: 11/02/2015
 Project Name: CMU #52
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/26/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE POINT 5 @ 3' (H502794-09)

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	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/27/2015	ND	212	106	200	1.09		
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	217	109	200	0.924		

Surrogate: 1-Chlorooctane 84.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.6 % 52.1-176

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Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/26/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 5 @ 4' (H502794-10)

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	10/28/2015	ND	2.09	105	2.00	0.649	
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86	
Total BTEX	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/27/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/27/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 90.2 % 47.2-157
Surrogate: 1-Chlorooctadecane 94.1 % 52.1-176

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Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/22/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 6 @ 2' (H502794-11)

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	10/28/2015	ND	2.09	105	2.00	0.649	
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86	
Total BTEX	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 83.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.7 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

 Received: 10/27/2015
 Reported: 11/02/2015
 Project Name: CMU #52
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/22/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE POINT 6 @ 3' (H502794-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2015	ND	2.09	105	2.00	0.649	
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86	
Total BTEX	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.7 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

 Received: 10/27/2015
 Reported: 11/02/2015
 Project Name: CMU #52
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/22/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE POINT 7 @ 2' (H502794-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2015	ND	2.09	105	2.00	0.649	
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19	
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70	
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86	
Total BTEX	<0.300	0.300	10/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

 Received: 10/27/2015
 Reported: 11/02/2015
 Project Name: CMU #52
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/22/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE POINT 7 @ 3' (H502794-14)

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	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/28/2015	ND	212	106	200	1.09		
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924		

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/23/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 8 @ 2' (H502794-15)

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	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/28/2015	ND	212	106	200	1.09		
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924		

Surrogate: 1-Chlorooctane 87.0 % 47.2-157
Surrogate: 1-Chlorooctadecane 91.7 % 52.1-176

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/23/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 8 @ 3' (H502794-16)

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	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/28/2015	ND	212	106	200	1.09		
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924		

Surrogate: 1-Chlorooctane 92.8 % 47.2-157
Surrogate: 1-Chlorooctadecane 98.5 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/26/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 9 @ 5' (H502794-17)

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	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/28/2015	ND	212	106	200	1.09		
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924		

Surrogate: 1-Chlorooctane 92.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.4 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/26/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 9 @ 6' (H502794-18)

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	10/28/2015	ND	2.09	105	2.00	0.649		
Toluene*	<0.050	0.050	10/28/2015	ND	2.24	112	2.00	3.19		
Ethylbenzene*	<0.050	0.050	10/28/2015	ND	2.05	102	2.00	4.70		
Total Xylenes*	<0.150	0.150	10/28/2015	ND	6.53	109	6.00	4.86		
Total BTEX	<0.300	0.300	10/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/30/2015	ND	464	116	400	7.14		

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	10/28/2015	ND	212	106	200	1.09		
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924		

Surrogate: 1-Chlorooctane 88.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.7 % 52.1-176

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Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/26/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 10 @ 14' (H502794-19)

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	10/29/2015	ND	2.03	102	2.00	1.74	
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91	
Total BTEX	<0.300	0.300	10/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 98.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

 Received: 10/27/2015
 Reported: 11/02/2015
 Project Name: CMU #52
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/26/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE POINT 10 @ 15' (H502794-20)

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	10/29/2015	ND	2.03	102	2.00	1.74	
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91	
Total BTEX	<0.300	0.300	10/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 96.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/23/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 11 @ 1' (H502794-21)

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	10/29/2015	ND	2.03	102	2.00	1.74	
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91	
Total BTEX	<0.300	0.300	10/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/30/2015	ND	464	116	400	7.14	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 96.5 % 47.2-157
Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/23/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 11 @ 2' (H502794-22)

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	10/29/2015	ND	2.03	102	2.00	1.74	
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91	
Total BTEX	<0.300	0.300	10/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/30/2015	ND	336	84.0	400	13.3	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 92.6 % 47.2-157
Surrogate: 1-Chlorooctadecane 98.3 % 52.1-176

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Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/23/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 12 @ 2' (H502794-23)

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	10/29/2015	ND	2.03	102	2.00	1.74	
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91	
Total BTEX	<0.300	0.300	10/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/30/2015	ND	336	84.0	400	13.3	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 92.2 % 47.2-157
Surrogate: 1-Chlorooctadecane 97.1 % 52.1-176

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Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/23/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 12 @ 3' (H502794-24)

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	10/29/2015	ND	2.03	102	2.00	1.74	
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91	
Total BTEX	<0.300	0.300	10/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/30/2015	ND	336	84.0	400	13.3	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 93.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.4 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

 Received: 10/27/2015
 Reported: 11/02/2015
 Project Name: CMU #52
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/23/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SAMPLE POINT 13 @ 3' (H502794-25)

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	10/29/2015	ND	2.03	102	2.00	1.74	
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91	
Total BTEX	<0.300	0.300	10/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/30/2015	ND	336	84.0	400	13.3	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/23/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 13 @ 4' (H502794-26)

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	10/29/2015	ND	2.03	102	2.00	1.74		
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91		
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00		
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91		
Total BTEX	<0.300	0.300	10/29/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	10/30/2015	ND	336	84.0	400	13.3		

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	10/28/2015	ND	212	106	200	1.09		
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924		

Surrogate: 1-Chlorooctane 96.8 % 47.2-157
Surrogate: 1-Chlorooctadecane 100 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/23/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 14 @ 3' (H502794-27)

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	10/29/2015	ND	2.03	102	2.00	1.74	
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91	
Total BTEX	<0.300	0.300	10/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	10/30/2015	ND	336	84.0	400	13.3	

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	10/28/2015	ND	212	106	200	1.09	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	217	109	200	0.924	

Surrogate: 1-Chlorooctane 91.3 % 47.2-157
Surrogate: 1-Chlorooctadecane 97.5 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BOB AKIN
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/27/2015	Sampling Date:	10/23/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	CMU #52	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE POINT 14 @ 4' (H502794-28)

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	10/29/2015	ND	2.03	102	2.00	1.74	
Toluene*	<0.050	0.050	10/29/2015	ND	2.22	111	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/29/2015	ND	2.02	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	10/29/2015	ND	6.42	107	6.00	1.91	
Total BTEX	<0.300	0.300	10/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/30/2015	ND	336	84.0	400	13.3	

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	10/28/2015	ND	217	108	200	6.00	
DRO >C10-C28	<10.0	10.0	10/28/2015	ND	220	110	200	6.73	

Surrogate: 1-Chlorooctane 98.0 % 47.2-157
Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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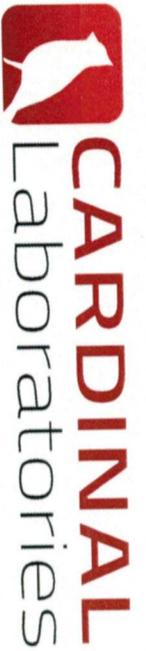
Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- BS1 Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
- 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



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: Lin P.O. #: _____
 Project Manager: _____ Company: Lin
 Address: _____ Attn: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: Lin City: _____ State: _____ Zip: _____
 Project Location: CMU #52 Phone #: _____
 Sampler Name: Chris Flores Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	pH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<u>H502794</u>	Sample Point 1 @ 1'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10-22-2015	10:05 AM	X	X	X				
	Sample Point 1 @ 3'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10-26-2015	10:10 AM	X	X	X				
	Sample Point 2 @ 3'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>		10:14 AM	X	X	X				
	Sample Point 2 @ 4'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10-26-2015	10:50 AM	X	X	X				
	Sample Point 3 @ 8'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>		11:50 AM	X	X	X				
	Sample Point 3 @ 9'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10-22-2015	11:40 AM	X	X	X				
	Sample Point 4 @ 3'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>		11:50 AM	X	X	X				
	Sample Point 4 @ 4'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10-26-2015	11:30 AM	X	X	X				
	Sample Point 5 @ 3'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>		11:35 AM	X	X	X				
	Sample Point 5 @ 4'	G	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>									

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Relinquished By: _____ Date: 10-27-2015 Received By: _____
 Time: 8:45 _____
 Relinquished By: _____ Date: _____ Received By: _____
 Time: _____

Delivered By: (Circle One) UPS -7.80 Sample Condition: Cool Intact Pres Res No No No
 Sampler - UPS - Bus - Other: _____ CHECKED BY: (Initials) _____

REMARKS: Email to: krenscha@diversifiedfsi.com
mp@henson@
cflores@

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

BILL TO

ANALYSIS REQUEST

Company Name: Lin P.O. #: _____
 Project Manager: _____ Company: Lin
 Address: _____ Attn: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: Lin City: _____ State: _____ Zip: _____
 Project Location: CMU # 52 Phone #: _____ Fax #: _____
 Sampler Name: Chris Flores

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H502194	11 Sample Point 6	G	1	✓						10-27-2015	11:40 AM	X	X	X
	12 Sample Point 6	G	1	✓							11:45 AM	X	X	X
	13 Sample Point 7	G	1	✓							2:20 PM	X	X	X
	14 Sample Point 7	G	1	✓							2:25 PM	X	X	X
	15 Sample Point 8	G	1	✓							10-23-2015 9:25 AM	X	X	X
	16 Sample Point 8	G	1	✓							10-23-2015 9:30 AM	X	X	X
	17 Sample Point 9	G	1	✓							10-26-15 1:40 PM	X	X	X
	18 Sample Point 9	G	1	✓							1:45 PM	X	X	X
	19 Sample Point 10	G	1	✓							3:55 PM	X	X	X
	20 Sample Point 10	G	1	✓							4:00 PM	X	X	X

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Relinquished By: _____ Date: 10-27-2015 Received By: Spide Henderson
 Time: 8:45

Relinquished By: _____ Date: _____ Received By: _____
 Time: _____

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

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

REMARKS: Email to: lorenshaw@diversifiedsi.com
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
m.patterson@cflores

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Linn
 Project Manager: Linn
 Address: _____ State: _____ Zip: _____
 City: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: Linn
 Project Location: CMU #52
 Sampler Name: Chris Flores

P.O. #: _____
 Company: Linn
 Attn: _____
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H502794	Sample Point 11	(G)	1							11:05 AM	X	X	X	
	Sample Point 12	(G)	1							1:30 PM	X	X	X	
	Sample Point 13	(G)	1							2:20 PM	X	X	X	
	Sample Point 14	(G)	1							3:25 PM	X	X	X	
	Sample Point 15	(G)	1							3:30 PM	X	X	X	

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Relinquished By: _____ Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____
 Delivered By: (Circle One) _____
 Sampler - UPS - Bus - Other: _____

Sample Condition: Cool Intact
 Yes No

CHECKED BY: (Initials) _____

REMARKS: M Burton @ diversifiedsi.com
 MAJES
 M Johnson @ diversifiedsi.com



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
 O=orphaned,
 C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 02875	L	LE		2	2	20		17S	33E	623662	3632717*	250	190	60
RA 11936 POD1		LE		1	4	1	19	17S	33E	621246	3632321	92		
RA 11937 POD1		LE		1	4	1	19	17S	33E	621244	3632281	95		
RA 11957 POD1		LE		3	4	1	19	17S	33E	621177	3632200	55		

Average Depth to Water: **190 feet**
 Minimum Depth: **190 feet**
 Maximum Depth: **190 feet**

Record Count: 4

PLSS Search:

Section(s): 19, 20 **Township:** 17S **Range:** 33E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.