

Well:

URSA Major 8 Federal #1

Surface Location E-08-18S-32E 1980 FNL 660 FWL

API: 30-025-34346

RECEIVED

By Kellie Jones at 9:20 am, Oct 13, 2015

APPROVED

By Kellie Jones at 9:21 am, Oct 13, 2015

Company:

Matador Resources Company

500 N Main St Suite One

Roswell, NM 88201

575-623-6601

August 28, 2015

Dear NM OCD and BLM;

Matador Resources received notice of a spill at the above reference facility on August 10, 2015. The production supervisor reported that a heater treater located in a dike had a hole in the bottom of it. Approximately 35 barrels of fluid spilled into the dike. 19 barrels were recovered. Please see attached photos showing damage to the area.

On August 27, 2015 Cardinal Labs was on site collecting soil samples to determine the depth of contamination. Diamondback Disposal Service was on location to remove and properly dispose of the contaminated soil. Diamondback Disposal Service was contracted to rebuild the dike with uncontaminated soil. Cardinal Labs will sample, and report the results.

Matador Resources will provide to NM OCD and BLM copies of lab results once they are received.

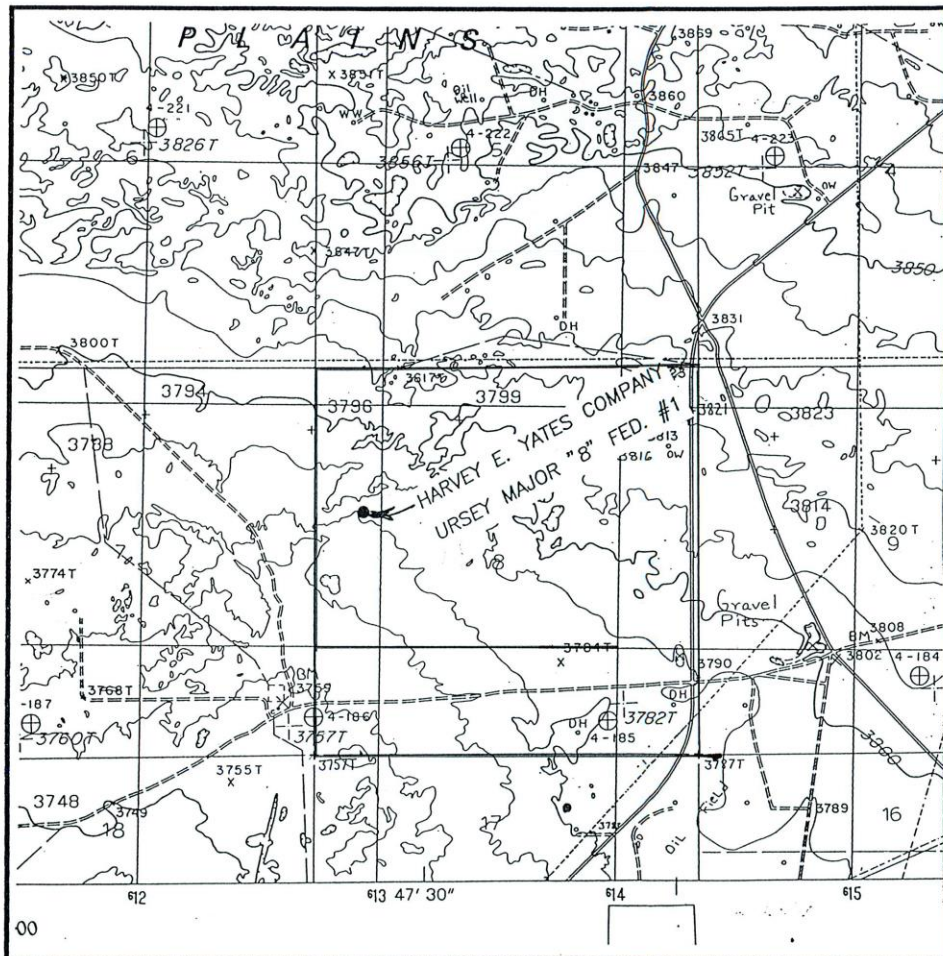
Sincerely,

Catherine Green

Regulatory Analyst

LOCATION VERIFICATION MAP

EXHIBIT "A"



SCALE: 1" = 2000'

CONTOUR INTERVAL - 10'

SEC. 8 TWP. 18-S. RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FNL & 660' FWL

ELEVATION 3782'

OPERATOR HARVEY E. YATES COMPANY

LEASE URSAY MAJOR "8" FED.

U.S.G.S. TOPOGRAPHIC MAP

MALJAMAR, N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name URSAY MAJOR "8" FEDERAL	Well Number 1
OGRID No.	Operator Name HARVEY E. YATES COMPANY	Elevation 3782

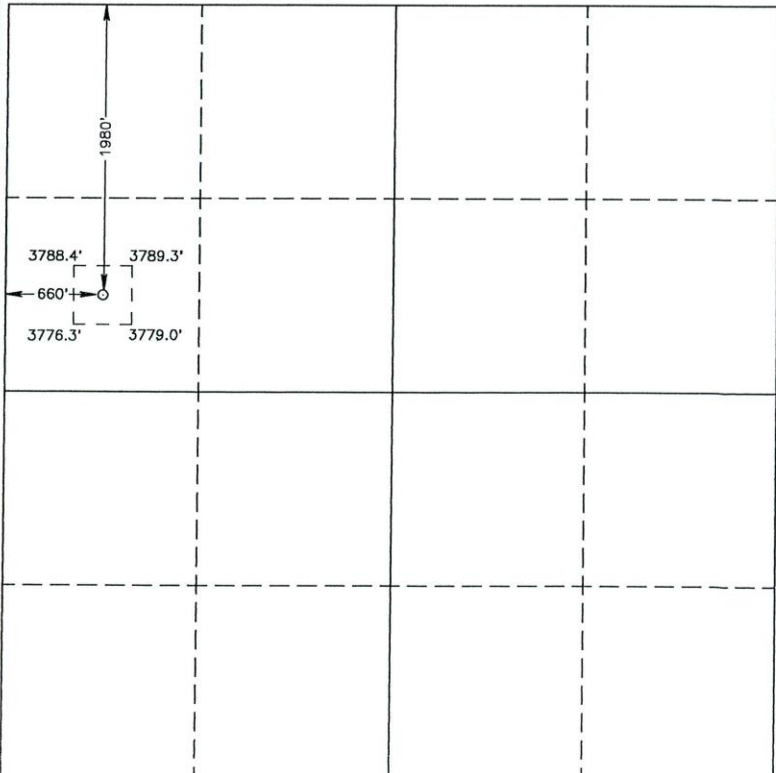
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	8	18 S	32 E		1980	NORTH	660	WEST	LEA

Bottom Hole Location If Different From Surface

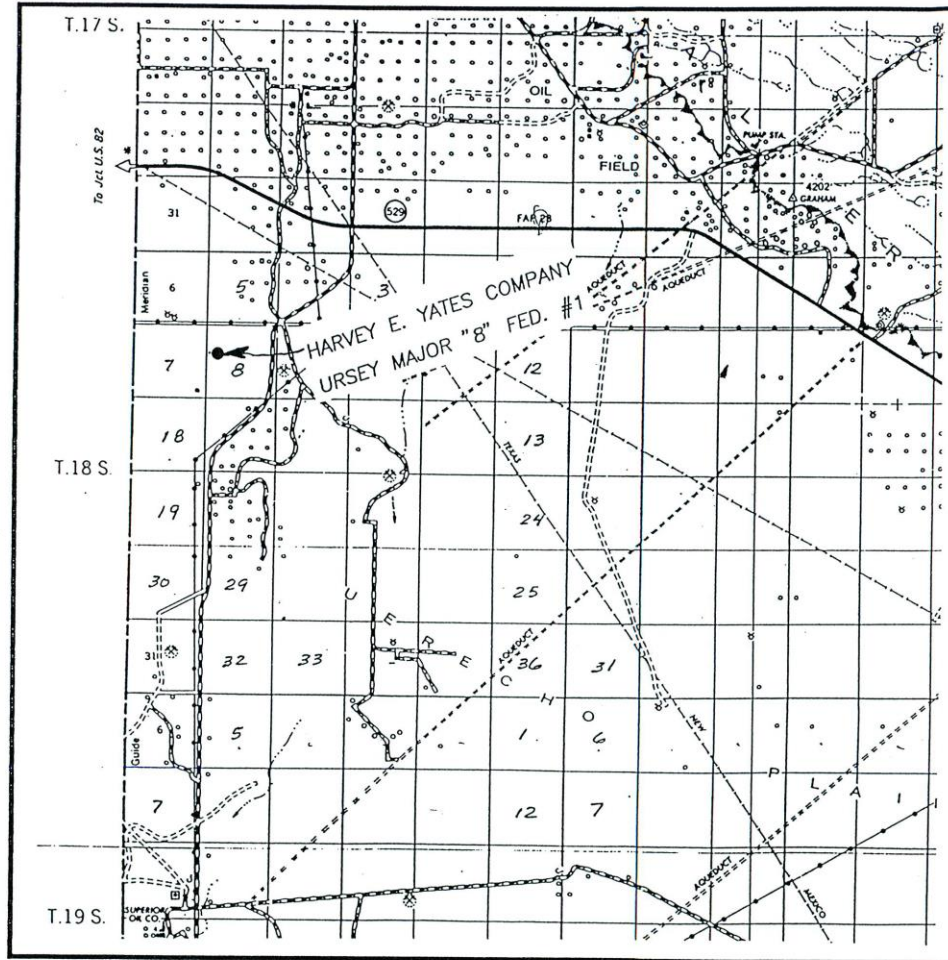
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature _____ Printed Name _____ Title _____ Date _____	
	SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> FEBRUARY 10, 1998 Date Surveyed _____ JLP Signature & Seal of Professional Surveyor _____ W.O. Num 98-11-0226 Certificate No. RONALD J. EIDSON, 3239 CAROL G. EIDSON, 12641 WAGON McDONALD, 12185	

VICINITY MAP

EXHABIT "B"



SCALE: 1" = 2 MILES

SEC. 8 TWP. 18-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FNL & 660' FWL

ELEVATION 3782'

OPERATOR HARVEY E. YATES COMPANY

LEASE URSAY MAJOR "8" FED.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

Ursa Major 8 Fed #1 spill from
heater treater.





Ursa Major 8 Fed #1 spill photo.



Ursa Major 8 Fed #1 spill in the dike.

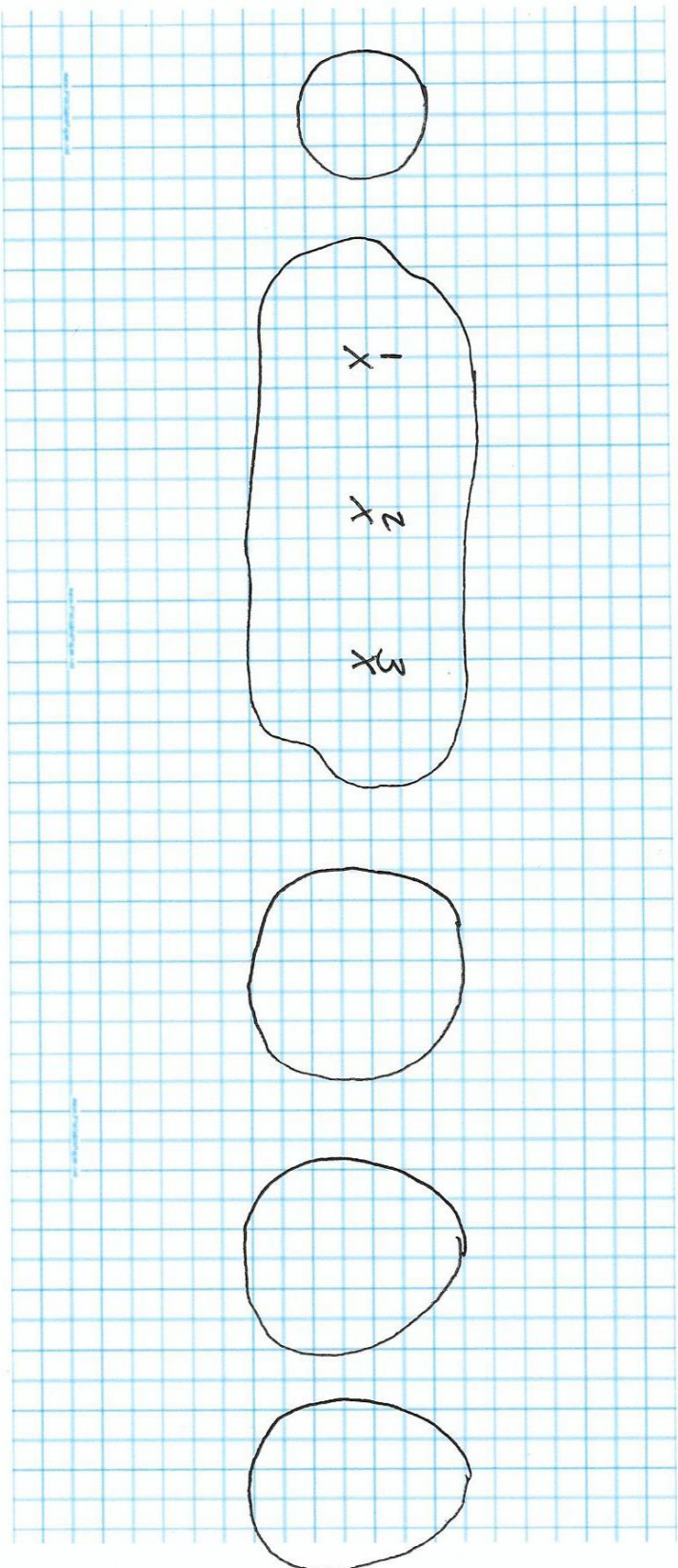
Follow- up

- Diamondback Disposal collected 3 soil samples from within the dike on September 2, 2015 at the surface. Samples were sent to Cardinal Labs in Hobbs, NM. See attached diagram.
- Contaminated soil was removed (down 24 inches) and sent to R360 land fill.
- Depth of groundwater at site is 220' to 400' from surface.
- More soil samples (down 24 inches) were collected on September 9, 2015. Samples were sent to Cardinal Labs in Hobbs, NM.
- Upon Cardinal Lab's return of soil sample data, uncontaminated soil was placed in the dike. (See attached photos)
- Photos of remediation, soil site collection points, and lab results included.

Diamondback Location Plat

Well/Facility Name: Ursa Major #8

Date: 9-10-15







Uncontaminated soil in the dike at the Ursa Major 8 Fed #1.
Sept. 29, 2015



Uncontaminated soil in the dike at the Ursa
Major 8 Fed #1. Sept. 29, 2015





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

September 15, 2015

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: URSA MAJOR #8

Enclosed are the results of analyses for samples received by the laboratory on 09/10/15 8:25.

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,



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received: 09/10/2015
Reported: 09/15/2015
Project Name: URSA MAJOR #8
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 09/02/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: #2 INITIALS (H502388-02)

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	09/14/2015	ND	2.03	101	2.00	2.76	
Toluene*	<0.050	0.050	09/14/2015	ND	1.86	93.2	2.00	0.882	
Ethylbenzene*	<0.050	0.050	09/14/2015	ND	1.94	96.8	2.00	0.897	
Total Xylenes*	<0.150	0.150	09/14/2015	ND	6.67	111	6.00	0.713	
Total BTEX	<0.300	0.300	09/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 83.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	09/15/2015	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	<100	100	09/11/2015	ND	185	92.4	200	1.46	
DRO >C10-C28	13400	100	09/11/2015	ND	191	95.3	200	4.09	

Surrogate: 1-Chlorooctane 73.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 359 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received:	09/10/2015	Sampling Date:	09/02/2015
Reported:	09/15/2015	Sampling Type:	Soil
Project Name:	URSA MAJOR #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #3 INITIALS (H502388-03)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.111	0.050	09/14/2015	ND	2.03	101	2.00	2.76	
Toluene*	1.13	0.050	09/14/2015	ND	1.86	93.2	2.00	0.882	
Ethylbenzene*	1.51	0.050	09/14/2015	ND	1.94	96.8	2.00	0.897	
Total Xylenes*	2.71	0.150	09/14/2015	ND	6.67	111	6.00	0.713	
Total BTX	5.46	0.300	09/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 83.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/15/2015	ND	416	104	400	0.00	
TPH 8015M									

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2100	100	09/11/2015	ND	185	92.4	200	1.46	
DRO >C10-C28	10800	100	09/11/2015	ND	191	95.3	200	4.09	

Surrogate: 1-Chlorooctane 172 % 47.2-157

Surrogate: 1-Chlorooctadecane 181 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	09/10/2015	Sampling Date:	09/09/2015
Reported:	09/15/2015	Sampling Type:	Soil
Project Name:	URSA MAJOR #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #1 POST (H502388-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2015	ND	1.84	92.0	2.00	2.14	
Toluene*	<0.050	0.050	09/14/2015	ND	2.07	103	2.00	2.05	
Ethylbenzene*	<0.050	0.050	09/14/2015	ND	2.06	103	2.00	3.91	
Total Xylenes*	<0.150	0.150	09/14/2015	ND	6.51	108	6.00	4.43	
Total BTX	<0.300	0.300	09/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 83.6-137

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	09/15/2015	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	09/11/2015	ND	185	92.4	200	1.46	
DRO >C10-C28	11.7	10.0	09/11/2015	ND	191	95.3	200	4.09	

Surrogate: 1-Chlorooctane 79.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 77.7 % 52.1-176

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	09/10/2015	Sampling Date:	09/09/2015
Reported:	09/15/2015	Sampling Type:	Soil
Project Name:	URSA MAJOR #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #2 POST (H502388-05)

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	09/14/2015	ND	1.84	92.0	2.00	2.14	
Toluene*	<0.050	0.050	09/14/2015	ND	2.07	103	2.00	2.05	
Ethylbenzene*	<0.050	0.050	09/14/2015	ND	2.06	103	2.00	3.91	
Total Xylenes*	<0.150	0.150	09/14/2015	ND	6.51	108	6.00	4.43	
Total BTX	<0.300	0.300	09/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 83.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/15/2015	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	09/11/2015	ND	185	92.4	200	1.46	
DRO >C10-C28	<10.0	10.0	09/11/2015	ND	191	95.3	200	4.09	

Surrogate: 1-Chlorooctane 77.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 78.0 % 52.1-176

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* = 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:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received:	09/10/2015	Sampling Date:	09/09/2015
Reported:	09/15/2015	Sampling Type:	Soil
Project Name:	URSA MAJOR #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: #3 POST (H502388-06)

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	09/14/2015	ND	1.84	92.0	2.00	2.14	
Toluene*	<0.050	0.050	09/14/2015	ND	2.07	103	2.00	2.05	
Ethylbenzene*	<0.050	0.050	09/14/2015	ND	2.06	103	2.00	3.91	
Total Xylenes*	<0.150	0.150	09/14/2015	ND	6.51	108	6.00	4.43	
Total BTEX	<0.300	0.300	09/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 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	192	16.0	09/15/2015	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	09/11/2015	ND	185	92.4	200	1.46	
DRO >C10-C28	22.5	10.0	09/11/2015	ND	191	95.3	200	4.09	

Surrogate: 1-Chlorooctane 77.7 % 47.2-137

Surrogate: 1-Chlorooctadecane 76.4 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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



Sample Name: Brandon Pile

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Delivered By:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-8275

#54

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