

EXCAVATION PLAN

- ✕ Railroad crossing = ○ = Power Line ≡ Bridge ---C--- Cable Line
- Power Pole ~FL~ Flow Line ≡ Water ↑ Dig Zone
- ⊙ Wellhead // Fence Line ...W... Water line ↑ North Direction

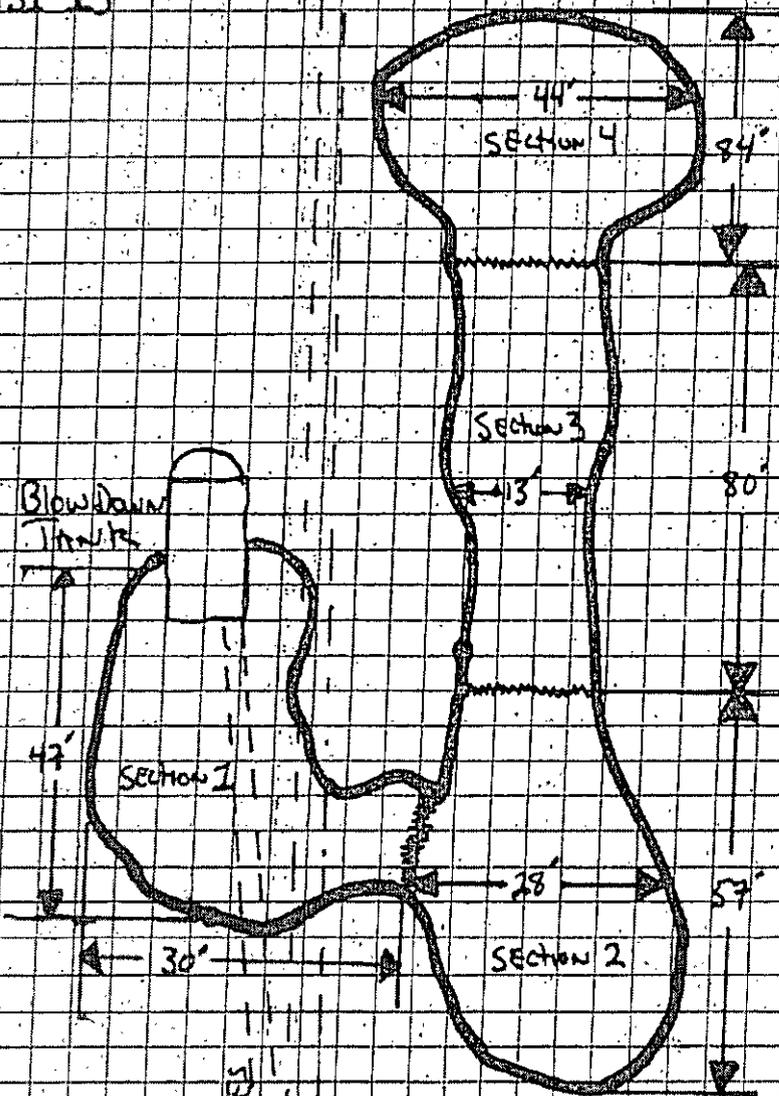
Search Zone Perimeter - White	Temporary Survey Markings - Pink
Electrical - Red	Possible Water - Blue
Drainage/Sewers - Green	Communication - Orange
SWD Light Blue	

JAMES E UPPER BATTERY
 SAMPLED 1-31-13

Excavation is approximately
 3' DEEP

ALL SAMPLES WERE
 COMPOSITES OF CORRESPONDING
 LOCATIONS.

JAMES E #13
 WELLHEAD



Flow Lines





February 01, 2013

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: JAMES E UPPER BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/31/13 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive.

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:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: WEST WALL SEC 1 (H300288-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	65.8	10.0	01/31/2013	ND	168	83.8	200	14.4		

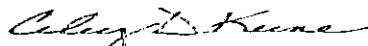
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: SOUTH WALL SEC 1 (H300288-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PHE) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	183	10.0	01/31/2013	ND	168	83.8	200	14.4		

Surrogate: 1-Chlorooctane 99.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 132 % 63.6-154

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

Received:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: EAST WALL SEC 1 (H300288-03)

BTX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	<10.0	10.0	01/31/2013	ND	168	83.8	200	14.4		

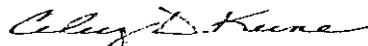
Surrogate: 1-Chlorooctane 87.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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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:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: FLOOR SEC 1 (H300288-04)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8			
DRO >C10-C28	609	10.0	01/31/2013	ND	168	83.8	200	14.4			

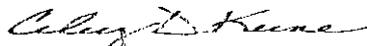
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 158 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: NORTH WALL SEC 2 (H300288-05)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8			
DRO >C10-C28	1270	10.0	01/31/2013	ND	168	83.8	200	14.4			

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 157 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: SOUTH WALL SEC 2 (H300288-06)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	<10.0	10.0	01/31/2013	ND	168	83.8	200	14.4		

Surrogate: 1-Chlorooctane 87.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
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Received:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: FLOOR SEC 2 (H300288-07)

BTEX 8021B	mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0	
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6	
Ethylbenzene*	0.207	0.050	01/31/2013	ND	2.06	103	2.00	13.0	
Total Xylenes*	0.240	0.150	01/31/2013	ND	6.34	106	6.00	12.4	
Total BTEX	0.447	0.300	01/31/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 207 % 89.4-126

Chloride, SM4500Cl-B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	02/01/2013	ND	432	108	400	3.77	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	31.8	10.0	01/31/2013	ND	198	99.1	200	10.8	
DRO >C10-C28	785	10.0	01/31/2013	ND	168	83.8	200	14.4	

Surrogate: 1-Chlorooctane 71.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.5 % 63.6-154

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 JUSTIN ROBERTS
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 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: NORTH WALL SEC 3 (H300288-08)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3880	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	64.6	10.0	01/31/2013	ND	168	83.8	200	14.4		

Surrogate: 1-Chlorooctane 90.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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* = Accredited Analyte

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 Fax To: (575) 392-9376

Received:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: SOUTH WALL SEC 3 (H300288-09)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PF) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	<10.0	10.0	01/31/2013	ND	168	83.8	200	14.4		

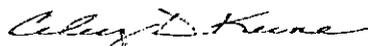
Surrogate: 1-Chlorooctane 91.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: FLOOR SEC 3 (H300288-10)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0	
Toluene*	0.153	0.050	01/31/2013	ND	2.09	105	2.00	12.6	
Ethylbenzene*	0.316	0.050	01/31/2013	ND	2.06	103	2.00	13.0	
Total Xylenes*	1.47	0.150	01/31/2013	ND	6.34	106	6.00	12.4	
Total BTEX	1.94	0.300	01/31/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 176 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	02/01/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	80.9	10.0	01/31/2013	ND	198	99.1	200	10.8	
DRO >C10-C28	686	10.0	01/31/2013	ND	168	83.8	200	14.4	

Surrogate: 1-Chlorooctane 99.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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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:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: NORTH WALL SEC 4 (H300288-11)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PHE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	<10.0	10.0	01/31/2013	ND	168	83.8	200	14.4		

Surrogate: 1-Chlorooctane 79.7 % 65.2-140
Surrogate: 1-Chlorooctadecane 95.3 % 63.6-154

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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:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: WEST WALL SEC 4 (H300288-12)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	<10.0	10.0	01/31/2013	ND	168	83.8	200	14.4		

Surrogate: 1-Chlorooctane 85.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.1 % 63.6-154

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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:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: SOUTH WALL SEC 4 (H300288-13)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2013	ND	2.10	105	2.00	13.0		
Toluene*	<0.050	0.050	01/31/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	01/31/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	01/31/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	01/31/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	<10.0	10.0	01/31/2013	ND	168	83.8	200	14.4		

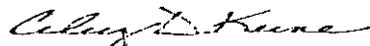
Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 130 % 63.6-154

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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:	01/31/2013	Sampling Date:	01/31/2013
Reported:	02/01/2013	Sampling Type:	Soil
Project Name:	JAMES E UPPER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CABIN LAKE		

Sample ID: FLOOR SEC 4 (H300288-14)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2013	ND	2.10	105	2.00	13.0		
Toluene*	0.089	0.050	02/01/2013	ND	2.09	105	2.00	12.6		
Ethylbenzene*	<0.050	0.050	02/01/2013	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	02/01/2013	ND	6.34	106	6.00	12.4		
Total BTEX	<0.300	0.300	02/01/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	02/01/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/31/2013	ND	198	99.1	200	10.8		
DRO >C10-C28	214	10.0	01/31/2013	ND	168	83.8	200	14.4		

Surrogate: 1-Chlorooctane 80.7 % 65.2-140
Surrogate: 1-Chlorooctadecane 95.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

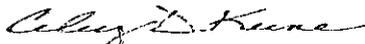
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Diamondback Disposal Sav, Inc
Project Manager: Justin Roberts
Address: P.O. Box 2491
City: Hobbs
State: NM **Zip:** 88241
Phone #: 575-392-9991 **Fax #:** 575-392-9374
Project #: N/A **Project Owner:** COPC
Project Name: James E Upper Battery
Project Location: Cabin Lake
Sampler Name: Justin Roberts

Lab I.D.	Sample I.D.	MATRIX			PRESERV			DATE	TIME	ANALYSIS REQUEST							
		WASTEWATER	GROUNDWATER	# CONTAINERS	WASTEWATER	GROUNDWATER	SLUDGE			ICE/COOL	ACID/BASIN	OTHER	TRH	BTFY	C1		
1	West Wall Sec 1	X		1	X			1-31-13	8:14	X	X	X					
2	South Wall Sec 1	X		1	X			"	8:21	X	X	X					
3	East Wall Sec 1	X		1	X			"	8:25	X	X	X					
4	Floor Sec 1	X		1	X			"	8:32	X	X	X					
5	North Wall Sec 2	X		1	X			"	8:34	X	X	X					
6	South Wall Sec 2	X		1	X			"	8:42	X	X	X					
7	Floor Sec 2	X		1	X			"	8:46	X	X	X					
8	North Wall Sec 3	X		1	X			"	8:50	X	X	X					
9	South Wall Sec 3	X		1	X			"	8:53	X	X	X					
10	Floor Sec 3	X		1	X			"	8:56	X	X	X					

FOR LAB USE ONLY

Relinquished By: Justin Roberts
Date: 1-31-13
Time: 5:00
Received By: Jodi Benson
Date: 1-31-13
Time: 5:00

Relinquished By: Justin Roberts
Date: _____
Time: _____

Delivered By: (Circle One) UPS Bus Other

Sample Condition: Cool Intact Yes No
 Yes No

Checked By: JBR (Initials)

REMARKS: LUST!!!

Phone Result: Yes No **Add'l Phone #:** _____
Fax Result: Yes No **Add'l Fax #:** _____

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Ammanbach Disposal Sav. Inc.</u> Project Manager: <u>Justin Roberts</u> Address: <u>PO Box 2491</u> City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88241</u> Phone #: <u>575-392-9991</u> Fax #: <u>575-392-9376</u> Project #: <u>N/A</u> Project Owner: <u>COPC</u> Project Name: <u>JAMES E UPPER</u> Project Location: <u>Cabin Gate</u> Sampler Name: <u>Justin Roberts</u>		BILL TO Company: <u>Diamondback</u> Address: _____ City: _____ State: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST																					
FOR LAB USE ONLY Lab I.D. <u>H300804</u> <u>11</u> <u>12</u> <u>13</u> <u>14</u>		Sample I.D. <u>NORTH WALL SEC 4</u> <u>WEST WALL SEC 4</u> <u>SOUTH WALL SEC 4</u> <u>Floor SEC 4</u>		(G)RAB OR (C)OMP <u>C</u> <u>C</u> <u>C</u> <u>C</u>		# CONTAINERS <u>1</u> <u>1</u> <u>1</u> <u>1</u>		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: _____		PRESERV ICE/COOL ACID/BASE OTHER: _____		SAMPLING DATE TIME <u>1-31-13</u> <u>9:01</u> <u>"</u> <u>9:10</u> <u>"</u> <u>9:15</u> <u>"</u> <u>9:30</u>		<u>TPH</u> <u>BTEX</u> <u>CI</u>											

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Relinquished By: <u>Justin Roberts</u>	Date: <u>1-31-13</u>	Received By: <u>Justin Roberts</u>	Date: <u>1-31-13</u>	Time: <u>5:00</u>	Sample Condition Cool - Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>JR</u>
Relinquished By: <u>Justin Roberts</u>	Date: <u>1-31-13</u>	Received By: <u>Justin Roberts</u>	Date: <u>1-31-13</u>	Time: <u>5:00</u>	Sample Condition Cool - Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>JR</u>
REMARKS: _____ _____ _____						

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

26

Introduction

This report presents the results of remediation activities at the James E Upper Battery. The site is located in Section 12, Township 22S, Range 30E in Eddy County, New Mexico. Impacted areas are owned by Bureau of Land Management. Diamondback Disposal Services, Inc. (Diamondback) was contacted January 4, 2013 by Mr. Justin Wright, of Conoco Phillips Inc, to perform the remediation activities at the spill site. The remediation was performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) rules and regulations. The following sections present: an overview, remediation activities, and recommendations of all remediation work performed on site.

Overview

The spill site is located mostly on federal land consisting of good grass, prairie, or range lands with a little ponding on COPC location. Approximately 18 bbls of oil and 5bbls of produced water were lost, with approximately 16 bbls and 4 bbls respectably, being recovered from the use of a vacuum truck. Approximately 1,410 square feet of location was impacted as well as 6,332 square feet of pasture land. The depth to groundwater in the area is estimated to be greater than 300' below ground surface (BGS) based on the information, reviewed at the State Engineers web site. There were no water courses affected, no water wells within 1,000 feet, and no surface water bodies within 1,000 feet of the site, giving this site a ranking criteria score of zero. The potential contaminates of concern are mid to high-level concentrations of petroleum-based hydrocarbons and chlorides that were lost due to production equipment failures.

Remediation Activities

On January 23, 2013 Diamondback began excavating impacted areas defined by ground staining and ponding. The excavation is approximately 3 feet in depth where a caliche layer was encountered. Approximately 880 cy of impacted soils were excavated and transported to R-360's NMOCD approved facility. Diamondback then contacted Mr. Mike Bratcher with NMOCD for approval to sample excavated area. Composite samples of the walls and floor were collected from four different sections (see attached map), packaged and sent to Cardinal Laboratory (with COC) for analysis of TPH, BTEX, and Chlorides (see analytical).

Recommendations

Upon reviewing the analytical provided by the third party independent lab, it is our belief the contaminants shown to be left are related to the legacy reserve pit associated with drilling of well. Diamondback feels all guidelines for remediation of leaks and spills have been met. This being said we propose to backfill the excavated area with clean granular soil, contour, crown and seed area to promote vegetation growth. Diamondback feels this method will significantly reduce migration of impacted material, related to the tank overflow, through the vadose zone therefore leaving the site in a manner that will pose very little if any future environmental threat.