

July 10, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CROW FED #35

Enclosed are the results of analyses for samples received by the laboratory on 07/09/15 10:52.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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)

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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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-24

Fax To: (575) 393-2432

Received: 07/09/2015 Sampling Date: 07/08/2015

Reported: 07/10/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: PASTURE PT. 4 @ 4' (H501757-01)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.89	2.00	07/10/2015	ND	2.31	116	2.00	0.819	
Toluene*	79.9	2.00	07/10/2015	ND	2.02	101	2.00	1.57	
Ethylbenzene*	65.6	2.00	07/10/2015	ND	1.96	97.9	2.00	0.0738	
Total Xylenes*	50.7	6.00	07/10/2015	ND	5.79	96.6	6.00	0.329	
Total BTEX	201	12.0	07/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 61-154	1						
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1170	50.0	07/09/2015	ND	178	88.9	200	0.656	
DRO >C10-C28	2860	50.0	07/09/2015	ND	175	87.4	200	0.406	
Surrogate: 1-Chlorooctane	144	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	122	% 52.1-17	'6						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/09/2015 Sampling Date: 07/08/2015

Reported: 07/10/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: WEST WALL 2 (H501757-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2015	ND	2.31	116	2.00	0.819	
Toluene*	0.168	0.050	07/10/2015	ND	2.02	101	2.00	1.57	
Ethylbenzene*	0.058	0.050	07/10/2015	ND	1.96	97.9	2.00	0.0738	
Total Xylenes*	<0.150	0.150	07/10/2015	ND	5.79	96.6	6.00	0.329	
Total BTEX	<0.300	0.300	07/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 61-154	1						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2015	ND	178	88.9	200	0.656	
DRO >C10-C28	<10.0	10.0	07/09/2015	ND	175	87.4	200	0.406	
Surrogate: 1-Chlorooctane	88.1	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	92.3	% 52.1-17	6						

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07/08/2015



### **Analytical Results For:**

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/09/2015 Sampling Date:

Reported: 07/10/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: EAST WALL 2 (H501757-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2015	ND	2.31	116	2.00	0.819	
Toluene*	<0.050	0.050	07/09/2015	ND	2.02	101	2.00	1.57	
Ethylbenzene*	<0.050	0.050	07/09/2015	ND	1.96	97.9	2.00	0.0738	
Total Xylenes*	<0.150	0.150	07/09/2015	ND	5.79	96.6	6.00	0.329	
Total BTEX	<0.300	0.300	07/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	% 61-154	1						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2015	ND	178	88.9	200	0.656	
DRO >C10-C28	<10.0	10.0	07/09/2015	ND	175	87.4	200	0.406	
Surrogate: 1-Chlorooctane	83.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.3	% 52.1-17	6						

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MMc Songh



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/09/2015 Sampling Date: 07/08/2015

Reported: 07/10/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: PASTURE PT. 4 @ 8' (H501757-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2015	ND	2.31	116	2.00	0.819	
Toluene*	<0.050	0.050	07/09/2015	ND	2.02	101	2.00	1.57	
Ethylbenzene*	<0.050	0.050	07/09/2015	ND	1.96	97.9	2.00	0.0738	
Total Xylenes*	<0.150	0.150	07/09/2015	ND	5.79	96.6	6.00	0.329	
Total BTEX	<0.300	0.300	07/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 61-154	1						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2015	ND	178	88.9	200	0.656	
DRO >C10-C28	<10.0	10.0	07/09/2015	ND	175	87.4	200	0.406	
Surrogate: 1-Chlorooctane	76.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	81.4	% 52.1-17	6						

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### **Notes and Definitions**

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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ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name:	Apacho		BILL 3		1			2	40		2	1		_
Project Manager:	Bruce Baker		P.O. #:		1	1	1		7100		7000			
Address:			Company:		-			s						
City: Hobbs	State: NM	Zip: 88240	Attn:					on						
Phone #:	Fax #:		Address:					ni						
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact Yes Dives	ion CHECKED BY: (Initials)	- Jkamplain@rice-ecs.com; sedwards@rice-ecs.com; cursanic@rice-ecs.com Environmental Tech:	wrice) ice-	ecs.c	.com	sed	ward	is@r	ICe-e	CS.CO	.com;	
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<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



July 10, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CROW FED #35

Enclosed are the results of analyses for samples received by the laboratory on 07/09/15 10:52.

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Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/09/2015 Reported: 07/10/2015

Project Name: CROW FED #35
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/08/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

### Sample ID: EAST WALL (H501759-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2015	ND	2.31	116	2.00	0.819	
Toluene*	<0.050	0.050	07/09/2015	ND	2.02	101	2.00	1.57	
Ethylbenzene*	<0.050	0.050	07/09/2015	ND	1.96	97.9	2.00	0.0738	
Total Xylenes*	<0.150	0.150	07/09/2015	ND	5.79	96.6	6.00	0.329	
Total BTEX	<0.300	0.300	07/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 61-154	!						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/09/2015	ND	178	88.9	200	0.656	
DRO >C10-C28	<50.0	50.0	07/09/2015	ND	175	87.4	200	0.406	
Surrogate: 1-Chlorooctane	79.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	93.4	% 52.1-17	6						

Cardinal Laboratories \*=Accredited Analyte

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APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/09/2015

Reported: 07/10/2015

Project Name: CROW FED #35
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/08/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

### Sample ID: BOTTOM 1 @ 4' (H501759-02)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2015	ND	2.31	116	2.00	0.819	
Toluene*	<0.050	0.050	07/09/2015	ND	2.02	101	2.00	1.57	
Ethylbenzene*	<0.050	0.050	07/09/2015	ND	1.96	97.9	2.00	0.0738	
Total Xylenes*	<0.150	0.150	07/09/2015	ND	5.79	96.6	6.00	0.329	
Total BTEX	<0.300	0.300	07/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 61-154	!						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2015	ND	178	88.9	200	0.656	
DRO >C10-C28	23.6	10.0	07/09/2015	ND	175	87.4	200	0.406	
Surrogate: 1-Chlorooctane	84.2	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	91.6	% 52.1-17	6						

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### **Notes and Definitions**

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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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland Hobbs, NM 88240 211

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Bruce Baller		P.O. #:						_	_	_
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		Company:				ns				
State: NM	Zip: 88240	Attn:				nic				
Fax #:		Address:		1		Α				
Project Owner		City:		N	PH	าร/				_
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s. Cardinal's liability and client's exclusive remedy for regligence and any other cause whatsoever shall b	any claim arising whether based in conte e deemed waived unless made in writing no wilhout limitation, business interruption	ract or fort, shall be limited to the amount pair and received by Cardinal within 30 days after ns, loss of use, or loss of profits incurred by ci	by the client for the completion of the application, its subsidiaries,	vie .						
liable for incidental or consequental damages, including	Cardinal, regardless of whether such ck	iim is based upon any of the above stated rea	sons or otherwise.			200	Dhone	#		
related to the performance of services hereunder by	Received By:		Phone Result:	□ Yes		Add	'I Phone #	7.		
Date:	) Received	200	Fax Result: REMARKS:	□ Yes		Add	I Fax #.			
In	Received By:	De car	email: hco	nder@	)rices	wd.co	om; Ific	ores@ric	ce-ecs.c	com;
Timed:20	7	CHECKED BY:	ikamplain@	Price-6	0.000	m: se	dwarc	1s@rice	200 000	3
#:  t Name:  t Location:  t Location:  Location:  All Colors including and Damager  NOTE: Liability and Damager  NOTE: Liability and Damager  Note successors ething out of or  resuccessors ething out of or  guished By:  Make Hum  quished By:	Fax #:  Project Owner  Project Owner  Project Owner  ##:  Project Owner  ###  ###  ###  ###  ###  ###  ###	Sample I.D.  Project Owner:  Project Owner:  Project Owner:  Project Owner:  MATRIX  Project Owner:  MATRIX  M	Address:  Project Owner:  City:  Project Owner:  State: Zip:  Phone #:  Pax #:  Phone #:  #:  Phone #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Phone #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Phone #:  Phone #:  Pax #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Phone #:  Phone #:  Pax #:  Phone #:  Phone #:  Phone #:  Phone #:  Phone #:  Pax #:  Phone #:  Phone #:  Pax #:  Phone #:  Phone #:  Phone #:  Phone #:	Address:   Address:	Address:   Address:	Sample I.D.  Sample I.D.  Address:  Project Owner:  State:  Zip:  Phone #:  Phone #:  Prox #:  Phone Phone #:  Phone	Sample I.D.  Sample I.D.  OR RESERV. SAMPLING CHY  PRESERV. SAMPLING CH BACK THE TIME  G. R. ACON D. STATER  WATRIX PRESERV. SAMPLING CH BACK THE TIME  OR ACON D. STATER  G. R. ACON D. STATER  G. ACON D. STATER  G. R. ACON D. STATER  G. C. R.	Sample I.D.    Project Owner:   City:   State: Zip:   Stat	Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  City:  State: Zip:  Phone #:  Phone #:  Port # 2   1   2   2   2    Phone #:  Phone #:  Port # 2   2   2    Phone #:  Port # 3   4   4   4    Port # 4   4   4    Port # 4   4   4    Port #	Sample I.D.  Sample I.D.  Something and form an accompany and in brains in control of the Accompany and the brains and another brains an accompany and the brains and accompany and and accompany and and accompany and a

CHECKED BY: (Initials)

cursanic@rice-ecs.com Environmental Tech:

@rice-ecs.com

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2676



July 20, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CROW FED #35

Enclosed are the results of analyses for samples received by the laboratory on 07/14/15 14:10.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/14/2015
Reported: 07/20/2015

Project Name: CROW FED #35
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/13/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

### **Sample ID: NORTH WALL 1 (H501792-01)**

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2015	ND	1.95	97.6	2.00	1.98	
Toluene*	<0.050	0.050	07/20/2015	ND	1.97	98.6	2.00	2.26	
Ethylbenzene*	< 0.050	0.050	07/20/2015	ND	2.08	104	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/20/2015	ND	5.43	90.5	6.00	2.86	
Total BTEX	<0.300	0.300	07/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	% 85.6-13	7						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	<10.0	10.0	07/16/2015	ND	202	101	200	11.1	
Surrogate: 1-Chlorooctane	72.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	68.3	% 52.1-17	6						

Cardinal Laboratories \*=Accredited Analyte

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07/13/2015



### **Analytical Results For:**

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/14/2015

Reported: 07/20/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sampling Date:

Project Location: NOT GIVEN

### Sample ID: NORTH WALL 2 (H501792-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2015	ND	1.95	97.6	2.00	1.98	
Toluene*	<0.050	0.050	07/20/2015	ND	1.97	98.6	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/20/2015	ND	2.08	104	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/20/2015	ND	5.43	90.5	6.00	2.86	
Total BTEX	<0.300	0.300	07/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 85.6-13	7						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	<10.0	10.0	07/16/2015	ND	202	101	200	11.1	
Surrogate: 1-Chlorooctane	83.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.0	% 52.1-17	6						

Cardinal Laboratories \*=Accredited Analyte

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07/13/2015



### **Analytical Results For:**

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/14/2015 Sampling Date:

Reported: 07/20/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: VERT 1 @ 7' (H501792-03)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2015	ND	1.95	97.6	2.00	1.98	
Toluene*	<0.050	0.050	07/20/2015	ND	1.97	98.6	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/20/2015	ND	2.08	104	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/20/2015	ND	5.43	90.5	6.00	2.86	
Total BTEX	<0.300	0.300	07/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 85.6-13	7						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	<10.0	10.0	07/16/2015	ND	202	101	200	11.1	
Surrogate: 1-Chlorooctane	85.4	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.4	% 52.1-17	<i>'</i> 6						

Cardinal Laboratories \*=Accredited Analyte

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APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/14/2015

/2015 Sampling Date: /2015 Sampling Type:

Reported: 07/20/2015
Project Name: CROW FED #35
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

07/13/2015

Sample ID: VERT 2 @ 13' (H501792-04)

BTEX 8021B Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier < 0.050 0.050 07/20/2015 ND 1.95 97.6 2.00 1.98 Benzene\* Toluene\* 0.123 0.050 07/20/2015 ND 1.97 98.6 2.00 2.26 Ethylbenzene\* 0.213 0.050 07/20/2015 ND 2.08 104 2.00 2.40 Total Xylenes\* 0.248 0.150 07/20/2015 ND 5.43 90.5 6.00 2.86 Total BTEX 0.584 07/20/2015 0.300 ND

Surrogate: 4-Bromofluorobenzene (PID 118 % 85.6-137

mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	07/16/2015	ND	199	99.7	200	4.27	
55.5	10.0	07/16/2015	ND	202	101	200	11.1	
	Result <10.0	<10.0 10.0	Result Reporting Limit Analyzed <10.0 10.0 07/16/2015	Result Reporting Limit Analyzed Method Blank <10.0 10.0 07/16/2015 ND	Result Reporting Limit Analyzed Method Blank BS <10.0 10.0 07/16/2015 ND 199	Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0 10.0 07/16/2015 ND 199 99.7	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0 10.0 07/16/2015 ND 199 99.7 200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0 10.0 07/16/2015 ND 199 99.7 200 4.27

Surrogate: 1-Chlorooctane 81.0 % 47.2-157
Surrogate: 1-Chlorooctadecane 84.3 % 52.1-176

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Celeg D. Freene



### **Notes and Definitions**

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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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Mario. A packy	71/8	•	ANALYSIS REQUEST
Project Manager: Bruch BcKf	P.O. #:		- 1
Address:	Company:		
City: State: 2	Zip: Attn:		
Phone #: Fax #:	Address:		
Project #: Project Owner:	City:		
Project Name:	State: Zip:		
Project Location: COW FON 475	Phone #:		
Sampler Name: Kule Him Physn	Fax #:		
FOR LAB USE ONLY	MATRIX PRESERV. S.I.	SAMPLING	
•	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TPH B+Py	
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4 Ver+ 2 6 13 F+	6' / / / 7.3	-/3 4; pg //	
PLEASE NOTE: Liability and Damanos: Cardinals liability and clients avolution comedy for any			
analyses. All claims including those for regisjence and any other cause whatever shall be deemed waved unless made in wings and respect to Cardian within 30 days after competion of the applicable	rmed waived unless made in writing and received by Cardinal within 30 o	ys after completion of the applicable	

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Relinquished By:

Received By:

CHECKED BY:

Received By:

Phone Result: Fax Result: REMARKS:

☐ Yes ☐ No Add'I Phone #:

Lossy, boken @ apacks corp. com

Knorman Q basin phy. com

Relinquished By



July 14, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CROW FED #35

Enclosed are the results of analyses for samples received by the laboratory on 07/08/15 8:35.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

07/07/2015



### **Analytical Results For:**

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/08/2015 Sampling Date: Reported: 07/14/2015 Sampling Type:

Reported:07/14/2015Sampling Type:SoilProject Name:CROW FED #35Sampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi Henson

Project Location: NOT GIVEN

### Sample ID: PASTURE POINT 3 @ 4' (H501732-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2015	ND	2.13	107	2.00	3.67	
Toluene*	< 0.050	0.050	07/13/2015	ND	1.90	95.2	2.00	3.76	
Ethylbenzene*	<0.050	0.050	07/13/2015	ND	1.82	91.1	2.00	4.21	
Total Xylenes*	<0.150	0.150	07/13/2015	ND	5.38	89.6	6.00	4.75	
Total BTEX	<0.300	0.300	07/13/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 61-154	1						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/10/2015	ND	199	99.4	200	5.17	
DRO >C10-C28	<10.0	10.0	07/10/2015	ND	202	101	200	12.6	
Surrogate: 1-Chlorooctane	81.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	83.9	% 52.1-17	6						

Cardinal Laboratories \*=Accredited Analyte

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APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 07/08/2015 Sampling Date: 07/07/2015

Reported: 07/14/2015 Sampling Type: Soil
Project Name: CROW FED #35 Sampling Condition: Cool

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: WEST WALL (H501732-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2015	ND	2.46	123	2.00	1.05	
Toluene*	<0.050	0.050	07/14/2015	ND	2.21	110	2.00	0.366	
Ethylbenzene*	<0.050	0.050	07/14/2015	ND	2.17	108	2.00	1.47	
Total Xylenes*	<0.150	0.150	07/14/2015	ND	6.46	108	6.00	1.94	
Total BTEX	<0.300	0.300	07/14/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 61-154	!						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/10/2015	ND	199	99.4	200	5.17	
DRO >C10-C28	<10.0	10.0	07/10/2015	ND	202	101	200	12.6	
Surrogate: 1-Chlorooctane	85.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.5	% 52.1-17	6						

Cardinal Laboratories \*=Accredited Analyte

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### **Notes and Definitions**

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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### 101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

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Project Manager:	Project Manager: Bruce Baker / Kyle Norman			P.C	P.O. #:								$\neg$		-	_	_			
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City: Hobbs	State: NM 2	Zip: 88240	3240	Attn:	n								ior							
Phone #: 575-393-2967	)3-2967 Fax #: 575-393-0293	-0293	w	Ad	Address:								۱ni	(11)						
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FOR LAB USE ONLY		-	MATRIX		PRESERV	ERV.	SAMPLING	G	CI	Pŀ		e							ļ	
Lab I.D.	Sample I.D.	RAB OR (C)OMP		UDGE HER :	ID/BASE: / COOL	HER:			. 1	Т		7	Comple	Comple						
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2.70

Sample Condition
Cool Intact
Pres Pres
No No

company: larry.baker@apachecorp.com

sedwards@rice-ecs.com environmental tech:

@rice-ecs.com

CHECKED BY:

email results: hconder@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com; lflores@rice-ecs.com; lweinheimer@rice-ecs.com; cursanic@rice-ecs.com;

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Relinquished By:

Time:

Received By:

Received By

in writing and received by Cardinal within 30 days after completion of the appli interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Phone Result: Fax Result: REMARKS:

□ Yes

No No

Add'l Phone #: Add'l Fax #:

affiliates or successors arising out of or relative Relinquished By:

analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or conse

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



August 10, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CROW FED #35

Enclosed are the results of analyses for samples received by the laboratory on 08/07/15 9:20.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 08/07/2015 Reported: 08/10/2015

Project Name: CROW FED #35
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/06/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

### Sample ID: CLEAN PILE POINT 1 (H502053-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2015	ND	1.78	88.9	2.00	0.903	
Toluene*	<0.050	0.050	08/07/2015	ND	1.75	87.4	2.00	0.767	
Ethylbenzene*	<0.050	0.050	08/07/2015	ND	1.83	91.5	2.00	2.33	
Total Xylenes*	<0.150	0.150	08/07/2015	ND	5.17	86.1	6.00	0.329	
Total BTEX	<0.300	0.300	08/07/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 85.6-13	7						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2015	ND	201	101	200	0.129	
DRO >C10-C28	352	10.0	08/07/2015	ND	180	89.8	200	0.142	
Surrogate: 1-Chlorooctane	111 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	131 9	% 52.1-17	6						

Cardinal Laboratories \*=Accredited Analyte

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APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/10/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: CLEAN PILE POINT 2 (H502053-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2015	ND	1.78	88.9	2.00	0.903	
Toluene*	<0.050	0.050	08/07/2015	ND	1.75	87.4	2.00	0.767	
Ethylbenzene*	<0.050	0.050	08/07/2015	ND	1.83	91.5	2.00	2.33	
Total Xylenes*	<0.150	0.150	08/07/2015	ND	5.17	86.1	6.00	0.329	
Total BTEX	<0.300	0.300	08/07/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	6 85.6-13	7						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2015	ND	201	101	200	0.129	
DRO >C10-C28	251	10.0	08/07/2015	ND	180	89.8	200	0.142	
Surrogate: 1-Chlorooctane	108 9	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	127 9	6 52.1-17	6						

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APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/10/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: CLEAN PILE POINT 3 (H502053-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2015	ND	1.78	88.9	2.00	0.903	
Toluene*	< 0.050	0.050	08/07/2015	ND	1.75	87.4	2.00	0.767	
Ethylbenzene*	< 0.050	0.050	08/07/2015	ND	1.83	91.5	2.00	2.33	
Total Xylenes*	0.293	0.150	08/07/2015	ND	5.17	86.1	6.00	0.329	
Total BTEX	<0.300	0.300	08/07/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	133 %	% 85.6-13	7						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/07/2015	ND	201	101	200	0.129	
DRO >C10-C28	789	50.0	08/07/2015	ND	180	89.8	200	0.142	
Surrogate: 1-Chlorooctane	110 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	152 %	52.1-17	6						

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APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/10/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: CLEAN PILE POINT 4 (H502053-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2015	ND	1.78	88.9	2.00	0.903	
Toluene*	<0.050	0.050	08/07/2015	ND	1.75	87.4	2.00	0.767	
Ethylbenzene*	<0.050	0.050	08/07/2015	ND	1.83	91.5	2.00	2.33	
Total Xylenes*	<0.150	0.150	08/07/2015	ND	5.17	86.1	6.00	0.329	
Total BTEX	<0.300	0.300	08/07/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 85.6-13	7						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/07/2015	ND	201	101	200	0.129	
DRO >C10-C28	507	50.0	08/07/2015	ND	180	89.8	200	0.142	
Surrogate: 1-Chlorooctane	108 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	157 9	52.1-17	'6						

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Received: 08/07/2015 Sampling Date: 08/06/2015

Reported: 08/10/2015 Sampling Type: Soil

Project Name: CROW FED #35 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

### Sample ID: CLEAN PILE POINT 5 (H502053-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2015	ND	1.78	88.9	2.00	0.903	
Toluene*	<0.050	0.050	08/07/2015	ND	1.75	87.4	2.00	0.767	
Ethylbenzene*	<0.050	0.050	08/07/2015	ND	1.83	91.5	2.00	2.33	
Total Xylenes*	0.329	0.150	08/07/2015	ND	5.17	86.1	6.00	0.329	
Total BTEX	0.329	0.300	08/07/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	135 9	% 85.6-13	7						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/07/2015	ND	201	101	200	0.129	
DRO >C10-C28	660	50.0	08/07/2015	ND	180	89.8	200	0.142	
Surrogate: 1-Chlorooctane	101 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	154 9	% 52.1-17	6						

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### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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# RUSH!!

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

(300) 33-23-000 (300)	00/ 000-2710 (020) 010 1001 1	2010-010:0:0:0		l	l					
Company Name: Apache		BILL TO		1			ANA	ANALYSIS		REQUEST
Project Manager: Bruce Baker / Kyle Norman	man	P.O. #:				_				
Address: 419 W Cain		Company:					าร			
City: Hobbs St	State: NM Zip: 88240	Attn:					ioi			
Phone #: 575-393-2967 Fax	Fax #: 575-393-0293	Address:					An			
	Project Owner:	City:	S	M		Н	ıs/			
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Town the	200	noon	Fax Result: REMARKS:			No	Add'l	Fax #:		
Relinquished By:  Date: Time:	te: Received By:		email results: hconder@rice-ecs.cc lflores@rice-ecs.cc	ce-ec	s.com; om; lv	; knori veinh	nan@ eimer(	)rice-e @rice-	ecs.co	email results: hconder@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com; hconder@rice-ecs.com; lweinheimer@rice-ecs.com; cursanic@rice-ecs.com;
Delivered By: (Circle One)	o s	OHECKED BY:	environmental tech:	tal tec	h:	3				@rice-ecs.com
Sampler - UPS - Bus - Other:	THE TYPES A YES	es	company: larry.baker@apachecorp.com	arry.b	aker@	)apac	necorp	com.		