



July 21, 2015

KYLE NORMAN BASIN ENVIRONMENTAL - HOBBS 419 W. CAIN HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/20/15 16:09.

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 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.

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.

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



BASIN ENVIRONMENTAL - HOBBS KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 393-0293

Received:	07/20/2015	Sampling Date:	07/20/2015
Reported:	07/21/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	СОР		

Sample ID: 2' EXCAVATION POINT 1 BOTTOM (H501878-01)

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	07/21/2015	ND	1.91	95.6	2.00	2.71	
Toluene*	<0.050	0.050	07/21/2015	ND	1.90	94.9	2.00	2.58	
Ethylbenzene*	<0.050	0.050	07/21/2015	ND	1.99	99.3	2.00	3.99	
Total Xylenes*	<0.150	0.150	07/21/2015	ND	5.20	86.7	6.00	3.71	
Total BTEX	<0.300	0.300	07/21/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 85.6-13	7						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/21/2015	ND	432	108	400	0.00	
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	07/21/2015	ND	198	99.1	200	2.50	
DRO >C10-C28	<10.0	10.0	07/21/2015	ND	204	102	200	5.87	
Surrogate: 1-Chlorooctane	80.2	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.0	% 52.1-17	1						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	07/20/2015	Sampling Date:	07/20/2015
Reported:	07/21/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	COP		

Sample ID: 2' EXCAVATION POINT 2 BOTTOM (H501878-02)

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	07/21/2015	ND	1.91	95.6	2.00	2.71	
Toluene*	<0.050	0.050	07/21/2015	ND	1.90	94.9	2.00	2.58	
Ethylbenzene*	<0.050	0.050	07/21/2015	ND	1.99	99.3	2.00	3.99	
Total Xylenes*	<0.150	0.150	07/21/2015	ND	5.20	86.7	6.00	3.71	
Total BTEX	<0.300	0.300	07/21/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 85.6-13	7						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/21/2015	ND	432	108	400	0.00	
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	07/21/2015	ND	198	99.1	200	2.50	
DRO >C10-C28	<50.0	50.0	07/21/2015	ND	204	102	200	5.87	
Surrogate: 1-Chlorooctane	65.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.0	% 52.1-17	6						

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



- 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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*=Accredited Analyte

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Page 4 of 5

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ED BY:	ased in contract or tord, shall be limited to the amount pelid de in writing and received by Cardinal writini 30 days after is interruptions, loss of use, or loss of profits incurred by cli- ther such claim is based upon any of the above stated rea-	Image: Containers Image: Containers Image: Containers GROUNDWATE Image: Containers Wastewater Image: Containers OIL Image: Containers Image: Containers Image: Containers Image: Containers <td< td=""><td>P.O. #: Company: Basin Attn: Address: 419 W Cain City: Hobbs State: NM Zip: 88240 Phone #: 575-393-2967 Fax #: 575-393-0293 MATRIX PRESERV. SAMPLING</td><td>2111 Beechwood, Abilene, TX 79603 (325) 673-7001 FAX (325)673-7020 BILL TO</td></td<>	P.O. #: Company: Basin Attn: Address: 419 W Cain City: Hobbs State: NM Zip: 88240 Phone #: 575-393-2967 Fax #: 575-393-0293 MATRIX PRESERV. SAMPLING	2111 Beechwood, Abilene, TX 79603 (325) 673-7001 FAX (325)673-7020 BILL TO
remark result. <u>Yes No</u> Add'l Fax #: remarks: email results: hconder@basinenv.com; knorman@basin hconder@basinenv; lflores@basinenv; lv jkamplain@basinenv; sedwards@basinenv; v cursanic@basinenv; sedwards@basinenv environmental tech:	or the applicable lise.	× ×	Chlorides	
s: basinen basinen tal tech	Yes	××	TPH 8015 M BTEX	
⊠ No v.com v.; Iflc iv; sec h:	NO		Texas TPH	
Add ; knor ores@ wards	Add	Com	nplete Cations/Anions	ANALYSIS
Add" Fax #: knorman@b es@basiner vards@basir	Phone		TDS	
Transmer Result. Yes No Add'l Fax #: Fax Result : Press No Add'l Fax #: REMARKS: email results: hconder@basinenv.com; knorman@basinenv.com; hconder@basinenv; lflores@basinenv; lweinheimer@basinenv; jkamplain@basinenv; lflores@basinenv cursanic@basinenv; sedwards@basinenv environmental tech: Cflores @basinenv				REQUEST



July 22, 2015

KYLE NORMAN BASIN ENVIRONMENTAL - HOBBS 419 W. CAIN HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/21/15 15:46.

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/ga/lab_accred_certif.html.

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

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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.

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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Received:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	СОР		

Sample ID: 6" PASTURE SCRAPE PT. 1 BOTTOM (H501894-01)

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	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTEX	<0.300	0.300	07/22/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	85.6-13	7						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/22/2015	ND	416	104	400	0.00	
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	07/22/2015	ND	200	99.8	200	1.21	
DRO >C10-C28	16.6	10.0	07/22/2015	ND	196	98.0	200	8.77	
Surrogate: 1-Chlorooctane	98.1	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	95.3	% 52.1-17							

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Celey D. Keene, Lab Director/Quality Manager



- ND
 Analyte NOT DETECTED at or above the reporting limit

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

#54



July 22, 2015

KYLE NORMAN BASIN ENVIRONMENTAL - HOBBS 419 W. CAIN HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/21/15 15:46.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
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Received:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	COP		

Sample ID: 6" PASTURE SCRAPE PT. 2 BOTTOM (H501895-01)

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	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTEX	<0.300	0.300	07/22/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 85.6-13	7						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte GRO C6-C10	Result <10.0	Reporting Limit	Analyzed 07/22/2015	Method Blank ND	вs 200	% Recovery 99.8	True Value QC 200	RPD 1.21	Qualifier
·			,			,	C C		Qualifier
GRO C6-C10	<10.0	10.0	07/22/2015 07/22/2015	ND	200	99.8	200	1.21	Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



- 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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	Relinquished By: Jacobi Time: Time: Time: Time: Time: Jacobi Time: Jac	for negligence and any other cau e liable for incidental or consequ f or related to the performance of	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's acclusive remarks for any			6 Pastime Scrape Patint 2 Bottom (Lab I.D. Sample I.D.		Sampler Name: Chris Flores	Project Location: MCA Battery #4	Project Name:	Project #: Project Owner:	Phone #: 575-393-2967 Fax #: 575-393-0293	City: Hobbs State: NM Z	Address: 419 W Cain	Project Manager: Kyle Norman	Company Name: ConocoPhillips	101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476	ARDINAL LABORATORIES	7
ax written changes to 505-3	Received By: Sample/Condition	is whatsoever shall be deemed waived unless make within moving work, your or minuto within anal damages, including without imitation, business interruptions, loss of use, or loss of profits services hereunder by Cardinal, registrates of whether such claim is based upon any of the abo Date: Porte: Record Rev.	lain arisin whether heed in contract or tor				# COI GROU WAS ⁻ SOIL OIL SLUD OTHE	R :	MATRIX	L	Pho	Stat	City		Zip: 88240 Attn:	Cor	P.O.		0 2111 Beechwood, Abilene, TX 79603 6 (325) 673-7001 FAX (325)673-7020		大二人
393-2476	(ED BY: tials)	sets or animov or ure announ peak by the creation of the age of by Cardinal within 30 days after completion of the ag- see, or loss of profits incurred by client, its subsidiaries, or otherwise.	Emileo to the			V 7-21-20 13 11:35AM	ICE / OTHE	BASE: COOL :R :	PRESERV. SAMPLING	93-	Phone #: 575-393-2967	State: NM Zip: 88240	City: Hobbs	Address: 419 W Cain	1:	Company: Basin	#	BILL TO	ilene, TX 79603 325)673-7020		
	Fax Result: 945 REMARKS: email results: hconder@basinenv jkamplain@basinen jkamplain@basinenv cursanic@basinenv environmental tech:	completion of the appl ent, its subsidiaries, sons or otherwise.				SAM X	TIME		C	blo	orio	des	-							CHAIN-OF-C	
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	Fax Result: <u>Yes</u> <u>No</u> <u>Add1 Fax</u> #: REMARKS: email results: hconder@basinenv.com; knorman@basinenv.com; hconder@basinenv; lflores@basinenv; lweinheimi jkamplain@basinenv; lflores@basinenv; lweinheimi cursanic@basinenv; sedwards@basinenv cursanic@basinenv; sedwards@basinenv							Comple	te		DS		SIF	Ani	ion	IS		ANALYSIS REQI		USTODY AND ANALYSIS	
	Fax Result: Yes No Add'l Fax #: REMARKS: email results: email results: hconder@basinenv.com; knorman@basinenv.com; hconder@basinenv; lflores@basinenv; lweinheimer@basinenv; jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv; gkamplain@basinenv; lflores@basinenv; jkamplain@basinenv; sedwards@basinenv; Cflores environmental tech: Cflores																	REQUEST		SIS REQUEST	

#54



July 20, 2015

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RE: MCA BATTERY #4

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Method EPA 552.2	Haloacetic Acids (HAA-5)
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Celey D. Keene Lab Director/Quality Manager



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Received:	07/14/2015	Sampling Date:	07/13/2015
Reported:	07/20/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	COP		

Sample ID: 6" ROAD SCRAPE (H501784-01)

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	07/17/2015	ND	1.93	96.5	2.00	2.49	
Toluene*	<0.050	0.050	07/17/2015	ND	1.93	96.5	2.00	1.73	
Ethylbenzene*	<0.050	0.050	07/17/2015	ND	2.03	101	2.00	3.30	
Total Xylenes*	<0.150	0.150	07/17/2015	ND	5.34	88.9	6.00	2.63	
Total BTEX	<0.300	0.300	07/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 85.6-13	7						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/17/2015	ND	432	108	400	7.69	
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	07/15/2015	ND	205	103	200	1.44	
DRO >C10-C28	<50.0	50.0	07/15/2015	ND	208	104	200	6.94	
Surrogate: 1-Chlorooctane	69.2 9	47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.5 9	52.1-17	6						

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Celey D. Keene, Lab Director/Quality Manager



- 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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Relinquished By:	PLEASE NOTE: Lability and analyses. All claims including service. In no event shall Card affilates or successors arising	10	Lab I.D.	Project Location: Sampler Name: ()	Project Name: Cot	Project #:	Phone #: 575-393-2967	City: Hobbs	Address: 419 W Cain		Company Name:	101
Circle One) Bus - Other:	d Damages. Cardinal's liability and client's of g these for negligence and any other cause ardinal be liable for indicatral or createquent ong out of or related to the performance of se	6" Road Scrape	Sample I.D.	MCA Baltery Hy hris Flores	P				Cain	vle Norman	ConocoPhillips	101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
Initial chances. Please fax written changes to 505-393-2476	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or for, shall be analyses. All claims including those for magligence and any other cause whatsoever shall be deemed waived unless made in writing and reaeived by Ca service. In overst shall Cardinal be liable for includentation consequentiat damages, including without limitation, business interruptions, loss of use, or fo affinites or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon a		G)RAB OR (C)OMP CONTAINERS GROUNDWATER WASTEWATER GOIL	MA		Project Owner:	Fax #: 575-393-0293	State: NM Zip: 88240				6
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Fax Result: Yes No Add'l Fax #: REMARKS: email results: hconder@basinenv.com; knorman@basin hconder@basinenv.com; knorman@basin jkamplain@basinenv; lflores@basinenv; lv cursanic@basinenv; sedwards@basinenv v environmental tech: 0.14	unt paid by the client for the yea after a completion of the appl yea day client, its suboidaries, and by client, its suboidaries, and reasons or otherwise, and reasons or otherwise.	3:00рм	TIME	Chlo								
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