

November 02, 2010

AMANDA TRUJILLO Yates Energy Petroleum Corp 105 S 4th Street Artesia, NM 88210

RE: FEDERAL CW-B #4

Enclosed are the results of analyses for samples received by the laboratory on 10/27/10 10:40.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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,

Celuy D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

Yates Energy Petroleum Corp AMANDA TRUJILLO 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	10/27/2010	Sampling Date:	10/25/2010
Reported:	11/02/2010	Sampling Type:	Soil
Project Name:	FEDERAL CW-B #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FEDERAL CW-B #4		

Sample ID: WEST COMPOSITE (H021156-01)

BTEX 8021B	mg/	/kg	Analyze	d By: cms					<u></u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2010	ND	2.05	102	2.00		
Toluene*	0.065	0.050	10/29/2010	ND	1.85	92.4	2.00		
Ethylbenzene*	<0.050	0.050	10/29/2010	ND	1.75	87.3	2.00		
Total Xylenes*	<0.150	0.150	10/29/2010	ND	5.25	87.4	6.00		

Surrogate: 4-Bromofluorobenzene (PIL 88.9 % 80-120

TPH 8015M	mg	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/29/2010	ND	166	82.8	200	6.29	
DRO >C10-C28	75.9	10.0	10/29/2010	ND	187	93.4	200	6.33	
Surrogate: 1-Chlorooctane	104	% 70-130)						
Surrogate: 1-Chlorooctadecane	103	% 70-130)						

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 whatspewer shall be idented waved 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 claims based upon any of the balve stater desous or otherwse. Results relate only to the samples terrification boys. This preprint full with milten approval of Cardinal Laboratores.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Yates Energy Petroleum Corp AMANDA TRUJILLO 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	10/27/2010	Sampling Date:	10/25/2010
Reported:	11/02/2010	Sampling Type:	Soil
Project Name:	FEDERAL CW-B #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FEDERAL CW-B #4		

Sample ID: EAST COMPOSITE (H021156-02)

BTEX 8021B	mg/	kg	Analyze	d By: cms			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2010	ND	2.13	106	2.00		
Toluene*	<0.050	0.050	11/01/2010	ND	1.92	96.2	2,00		
Ethylbenzene*	<0.050	0.050	11/01/2010	ND	1.81	90.4	2.00		
Total Xylenes*	<0.150	0.150	11/01/2010	ND	5.43	90.4	6.00		
Surrogate: 4-Bromofluorobenzene (PIL	99.4	% 80-120						c	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/29/2010	ND	166	82.8	200	6.29	
DRO >C10-C28	166	10.0	10/29/2010	ND	187	93.4	200	6.33	
Surrogate: 1-Chlorooctane	110 \$	% 70-130)						
Surrogate: 1-Chlorooctadecane	109 9	% 70-130)						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Llabelity and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, 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 case whitsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. It no event shall Cardinal be liable for incidental or consequential damages, including, whitout limitation, business interruptions, loss of or profits incurred by dient, its sublicatives, affittates 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D.1 Keine

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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

PLEASE NOTE: Liability and Damages. Cardinal's lability 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 whatsoever shall be deemed waved unless made in writing and received by Cardinal within thinty (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 incidentified above. This reproduced exception arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based bove stated reasons or otherwise. Results relate only to the samples destribed bove. This reproduced exception full with mitten approval of Cardinal Laboratories.

Celent Seine

Celey D. Keene, Lab Director/Quality Manager

Ó	24	BORATORIES and, Hobbs, NM 88240			(505) 393-2326	FAX (505) 393	1-247	6			C	HAII	N OF	= CU:	STO	DY F	REC	OR	D AI	ID A	۹NA	ALY	'SIS	REG	UES	sт	·			
	Project Manager:	Amanda Trujillo														P	roje	ct Na	ime:				F	edera	al C	N-B	#4			
	Comp: (505) 393-232	f Yates Petroleum Corpo	ration														P	roje	ct #:											
	Company Address:	105 South 4th Street													_		Pro	ject	_oc:				F	edera	al Cl	N-B	#4			
	City/State/Zip:	Artesia, NM 88210									_							P	0 #:											
	Telephone No:	575-748-4310				Fax No:									I	Repo	ort Fo	orma	it:	x	Star	ndari	d] TRI	٦P			DES	i
	Sampler Signature:					e-mail:		atr	ujillo	<u>b@y</u>	<u>ate</u>	espe	etro	leun	n.cc	<u>om</u>														
(lab use																	F			тс		An	alyze	For:	r			$\neg \neg$	Π	
ORDEI								r				<u> </u>			- r	A		<u> </u>	r	T01	'AL:			1					72 hrs	l
H (lab use only)		LD CODE	A Beginning Depth	ං ප් Ending Depth	bed G C 10/25/2010 10/25/2010	9:30 AM 9:30 AM		1 Total #. cf Containers	X Ice			Hand Hand		Nore Nore Nore Nore Nore Nore Nore Nore	SL=Sludge	100=0	VITERON-POLADIE Specify Unfer	TPH: TX 1005 TX 1006	s (Ca, Mg, Na,	Anions (CI, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	X X Settimolaties X X BTEX 8021B/G030 or DTEX 8220	RGI		X X CNoticles		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
Relinqui	Tayle	Date 10/26/1	0 5:1	ime 7 PM	Its on separa	te report. Th Meus			u.					D	Date 27/	ID	1D		Sar VO Lat Cus	nple Cs F els c tody tody	Con ree on co sea sea sea	ntain of H onta als o als o	eads iner(s n cor n coc	ntact? pace s) ntaine pler(s)	? f(s)		L EFECT	r 20. ir 2	N N N	
Relingui	shed by:	Date Date		ime	Received by EL	DT.									Date ^t			me	-	by S by C	amp ourie	ler/C er?	U Don R	red Rep. ' IPS leceip	DHI	$\lambda^{\dot{\epsilon}}$)	x . Lon	°C	ar



November 02, 2010

AMANDA TRUJILLO Yates Energy Petroleum Corp 105 S 4th Street Artesia, NM 88210

RE: FEDERAL CW-B #4

Enclosed are the results of analyses for samples received by the laboratory on 10/27/10 10:40.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

Yates Energy Petroleum Corp AMANDA TRUJILLO 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	10/27/2010	Sampling Date:	10/25/2010
Reported:	11/02/2010	Sampling Type:	Soil
Project Name:	FEDERAL CW-B #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	FEDERAL CW-B #4		

Sample ID: WEST COMPOSITE (H021156-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM			······		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/28/2010	ND	432	108	400	0.00	

Sample ID: EAST COMPOSITE (H021156-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/28/2010	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Llability and Damages. Cardinal's lability and ckent's exclusive remedy for any daim 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 cases whistoever shall be deemed waived unless made in writing and received by Cardinal within thirry (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 incidental or consequential damages, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This reproduced except in full with writen approval of Cardinal Laborations.

Celey D.Keine

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by dient for analyses. All claims, including those for negligence and any other cause whitsbeever 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 lable for incidential or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subaidiaries, affiliate or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based usove stated reasons or othewise. Results relate only to the samples learlifted above. This report shall not be reproduced except in full with writen approval of Cardinal Laboratories.

Celey D.Keine

Celey D. Keene, Lab Director/Quality Manager

Ô		BORATORIES and, Hobbs, NM 88240			(505) 393-2326	FAX (505) 393	3-247	76			С	HAI	IN O	F CL	JST	'ODY	' RE	co	DRD	AN	D A	NAI	LYS	IS R	REQ	JES	Τ				
	Project Manager:	Amanda Trujillo												Proj	ject	Nam	1e:				Fed	dera		<u>V-B</u>	<u>#4</u>						
	Comp: (505) 393-232	e Yates Petroleum Corporation	ion															Pro	oject	#:											
	Company Address:	105 South 4th Street																						Fee							
	City/State/Zip:	Artesia, NM 88210																	РŌ	#:											
	Telephone No:	575-748-4310				Fax No:										Rep	port	For													
	Sampler Signature	· ·				e-mail:		atr	ujille	oa	<u>)yat</u>	esp	betro	oleu	<u>m.</u>	com	1														
(lab use																	F				TCI		Anal	yze F	or:				$\neg \neg$	٦	
ORDE								r	0.			0 4 -		ainers		Matr	_	m		·	TOT	AL:		+-						. 48, 72 hrs	
H AB # (lab use only)	156- FIE	LD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Fillered	. Total ≠, of Containers	Ice		HCI		5		+	DW=Drinking Water SL=Sludge GV = Oroundwater S=Soll/Solid	NP=(Non-Potable Specify Other		TPH: TX 1005 TX 1006	Cations (Ca. Mg, Na, K)	Anions (CI, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag sa uq ur i/o Hg Se Manites	Volaures Semivolatiles	1	aci		Chlorides		e-Schedule) 24	Standard TAT
	West Composite East Composite		4"	6" 6"	10/25/2010 10/25/2010	9:30 AM 9:30 AM		1				+-		$\left - \right $		S S		X				-	_		x			X X			
																		×													
											+			┝╌┼	-+						-+						+				
						- <u></u>			-†				+		-†												-				
Special Relinquis	Instructions:	Please place c Date 10/26/10	T		Received by:	te report. The			u.		I				Dati	e 1/17)	1	Time		Sam VOC Labe Cust	ple Is Fr els o ody	Cont ree o ti con seal	aine f He ntain s on	ment rs Inț adspi er(s) conti coole	act? ace? ainer	(s)		(E) (B)). 	N N N N N	
Relinguis Relinguis		Date		ime ime	Received by EL	<u> </u>								v T	Dat			Time	э Э	Sam t	iple by S by C	Hanc ample ourier	d De er/Cli r?	livere ient R UP	ed lep. ? ?S	DHL) k Lone	N N e Sta	
															÷					i em	pera	ature		on.Re 	·	: 7	2 F		e 4 of	°C f 4	