

AREA:	Dpth(BG)	GRO.	ĎRO∵	BTEX.	Chlorides
North	41	ND	716	0.003	682
Middle	3	255	1910	0.001	644
South	3	ND.	330	ND	728
SE Spot	31200	ND.	ND	ND	10,500
<b>自由的</b>	4196				144
學名為教	6		的機能		288
學的分類	7. 清·强。			S. News	224
<b>建造成</b>	8				992
E HARE	9				208
	10"	温油流	學學		160
製造の製	11				192
高兴法	12		2.34	で変換	272

# **Analytical Report 418021**

for

# **Yates Petroleum Corporation**

Project Manager: Amanda Trujillo

Mobil #8

01-JUN-11



## Celebrating 20 Years of commitment to excellence in Environmental Testing Services



#### 12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

> Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330) Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917) North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757) Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





01-JUN-11

Project Manager: Amanda Trujillo Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 418021

Mobil #8
Project Address:

#### Amanda Trujillo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 418021. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 418021 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



**Project Location:** 

# Certificate of Analysis Summary 418021

## Yates Petroleum Corporation, Artesia, NM

Project Name: Mobil #8

Project Id:

Contact: Amanda Trujillo

Date Received in Lab: Fri May-27-11 10:00 am

Report Date: 01-JUN-11

								Project Ma	nager:	Brent Barron, II	
	Lab Id:	418021-0	001	418021-0	02	418021-0	03	418021-0	004		
Anglusia Paguestad	Field Id:	North Composit	e Sample	South Composite	e Sample	Middle San	nple	SE Spot Sa	mple		
Analysis Requested	Depth:	1-1.5 f	ì	1-1.5 ft	:	1-1.5 ft	t	1-1 5 f	ft		
	Matrix:	SOIL	•	SOIL		SOIL		SOIL	,		
	Sampled:	May-17-11	14:00	May-17-11	14:00	May-17-11	14:00	May-17-11	14.00		
Anions by E300	Extracted:					- 4					
	Analyzed:	May-28-11	05:57	May-28-11 (	05 57	May-28-11 (	05:57	May-28-11	05:57		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		682	21.6	644	22.7	728	17.2	10500	176		
Percent Moisture	Extracted:				,						
	Analyzed:	May-27-11	16.10	May-27-11	16.10	May-27-11	16:10	May-27-11	16:10		
	Units/RL:	%	RL	%	RL	%	RL	%	RL		
Percent Moisture		2.61	1 00	7 57	1.00	2.10	1.00	4.61	1.00		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II Odessa Laboratory Manager

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765 Phone: 432-563-1800 Fax: 432-563-1713

	Project Manager:	Amanda Trujillo														-	Pro	ject	Nar	ne:					M	obil	#8					
	Company Name	Yates Petroleum Corporate	on													_		Pro	ојес	t #:_	• • •					<del></del>						
	Company Address:	105 South 4th Street														_	P	roje	ct L	oc:												
	City/State/Zip:	Artesia, NM 88210														_			PC	) #: <sub>-</sub>	1269	3										
	Telephone No:	575-748-431	0			Fax No:		575	5-748	8-45	85	_				R	eport	For	mat	: [	X s	Stan	dard	I		] TRI	RP			NPDI	ES	
						· e-mail:				atr	uiil	lo@	Dvat	est	etro	- oleu	· ım.c	om														
			۸-			-									<u>"</u>								Ana	lyze	For:	<u> </u>	_		_	コ	7	
(lab use ORDEF	01000		e-					,				- 0.4	4 -4.0			I M	nteise	m I		_	TOTA	AL:	$\pm$	$\pm$	士						72 nrs	
OKDER	(#: [[001]	1100901	1		<del></del>		Г	$\vdash$		Prese	rvauc	on & a	of Co	ontaine	ers	IVI	atrix	8015B	g				Fg Se		8260						: }	_
.AB # (lab use only)	FIEI	_D CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	ooj	HNO3	нсі	H <sub>2</sub> SO,	NaOH	None	Other ( Specify)		GW * Groundwater S=Soil/Solid NP=Non-Potable Specify Other	418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (CI, SO4, Alkalınıty)	SAR / ESP / CEC	Metals, As Ag Ba Cd Cr Pb Hg Se	Volatiles Semivolatiles	5030 or BTEX	RCI	NORM	Chlondes	TLCP	DIEU TAT IN CALLE	KUSIT 1A1 (Pre-Schedule) 24, 45, 72 hrs	Standard TAT
		posite Sample	1'	1.5"	5/17/2011	2:00 PM	_		x				1		<u> </u>		s	х		$\exists$	T	1	Ť	十	x			x	$\top$	1	1	-
001 002 003 004		nposite Sample	1'	1.5"	5/17/2011	2:00 PM			х								S	х							х			х				
003	Middl	le Sample	1'	1.5"	5/17/2011	2:00 PM			х	-							s	х							x			х	$\prod$			
004	SE Sp	ot Sample	1'	1.5"	5/17/2011	2:00 PM		Ш					_ _	$\perp$	_	:	s	х		$\dashv$	$\perp$	$\perp$		$\perp$	x			x	_	$\bot$	$\perp$	
							<u> </u>	Ц					_ _	_	┞.				_	$\perp$		4	$\bot$	$\bot$		$\square$	Ц	$\dashv$	_	_	4	
								Ц	Ш		_	_		4	<u> </u>				_	$\dashv$	4	4	$\downarrow$	4-	$\perp$		Щ	$\dashv$	4	4	4	_
								Ц	Ц			_		+	-	<u> </u>			-	4	$\dashv$	-	+	_	$\perp$	$\sqsubseteq$	Н	$\vdash$	$\dashv$	+	+	_
								$\vdash$	$\vdash$		-	-	+	+	-	<u> </u>			$\dashv$	$\dashv$	+	+	+	+	+	$\vdash$	$\vdash \vdash$	$\dashv$	$\dashv$	+	+	$\dashv$
								$\vdash$	$\vdash$	$\vdash$	-	$\dashv$	+	+	-	<del> </del>			$\dashv$	$\dashv$	-	+	+	+	+-	$\vdash$		$\dashv$	$\dashv$	+	+	-
Special	Instructions:	Please put Chlo	rides	in sep	parate report									1	1	L				Sam	iple (	Cont	aine	ment ers Int	act?		ـــــــــــــــــــــــــــــــــــــ		<b>∂</b> ::	ZØZ	 26.	74 
Relinquis	ed by	Date		l	Received by				-					T	Da	ite		Time		Labe	els o	n coi	ntain	ner(s) conta	, V		, 0	7	<b>*</b>	Ž	بت لاچ	1
Relinquis	fied by	05/26/11 Date		me	Received by										Da	ite		Time	-	Cust Sam I	tody iple I by Sa by Co	seal Hand Imple June	s on d Del er/Cli er?	coole livere ent R UP	er(s) ed lep. ?	- <u>i</u> DHL		Fedit	3000 ×	N N Lone	Star	3
Relinquis	hed by	Date	Ϋ́ı	me	Received by ELC	ot.	•			_				5.	Da		1	Time		Tem	рега	ture	ور Upc	on Re	C ceipt	:			<b>3</b> . (			



#### XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

# Prelogin / Nonconformance Report - Sample Log-In

Client: Yates	·					
Date/Time: 5-27-\\ \0:₩						
Lab ID#: 418019 / 418621						
Initials:	<u> </u>					
Samp	le Receipt C	Checki	ist			
1. Samples on ice?			Blue	Water	No	
2. Shipping container in good condition?			Yes	No	None	
3. Custody seals intact on shipping container (cooler)	and bottles?		(Yes)	No	N/A	
4. Chain of Custody present?			(PES)	No_		
5. Sample instructions complete on chain of custody?	)		(Yes)	No		
6. Any missing / extra samples?			Yes	No		
7. Chain of custody signed when relinquished / receiv	ed?		(Tes)	No		
8. Chain of custody agrees with sample label(s)?			Yes	No		
9. Container labels legible and intact?			Yea	No		
10. Sample matrix / properties agree with chain of cus	tody?		(Yes)	No ·		
11. Samples in proper container / bottle?			(Veg)	No		
12. Samples properly preserved?			Yes	No	N/A	
13. Sample container intact?			Yes	No		
14. Sufficient sample amount for indicated test(s)?			Yes	No		
15. All samples received within sufficient hold time?			Yes	No		
16. Subcontract of sample(s)?			Yes	(No)	N/A	
17. VOC sample have zero head space?			Yes	No	NA	
18. Cooler 1 No. Cooler 2 No. Cool	er 3 No.		Cooler 4 No	).	Cooler 5 No.	
Ibs 3.1 °C Ibs °C	lbs	°C	lbs	°C	ibs	°c
Nonconfo	ormance Do	cumei		Date/Time:_	· · · · · · · · · · · · · · · · · · ·	
Regarding:			,			
Corrective Action Taken:						
Check all that apply:   Cooling process has begun condition acceptable by				ut of temper	ature	

Final 1.000

 $\square$  Initial and Backup Temperature confirm out of temperature conditions

□ Client understands and would like to proceed with analysis

# **Analytical Report 418019**

for

# Yates Petroleum Corporation

Project Manager: Amanda Trujillo Mobil #8

01-JUN-11



## Celebrating 20 Years of commitment to excellence in Environmental Testing Services



### 12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

> Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330) Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX) Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917) North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757) Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)





01-JUN-11

Project Manager: Amanda Trujillo Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 418019

Mobil #8
Project Address:

### Amanda Trujillo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 418019. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 418019 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



# Certificate of Analysis Summary 418019

## Yates Petroleum Corporation, Artesia, NM

Project Name: Mobil #8

TINI

Project Id:

Contact: Amanda Trujillo

**Project Location:** 

Date Received in Lab: Fri May-27-11 10.00 am

Report Date: 01-JUN-11

Project Manager: Brent Barron, II

								Project Ma	nager:	Brent Barron, II	
	Lab Id:	418019-0	01	418019-0	002	418019-0	003	418019-0	004		
Analysis Requested	Field Id:	North Composit	e Sample	South Composit	e Sample	Middle Sa	mple	SE Spot Sa	mple		
Anutysis Kequesteu	Depth:	1-1 5 f	t	1-1.5 f	t	1-1 5 f	ì	1-1.5 f	t		
	Matrix:	SOIL		SOIL	[	SOIL		SOIL			
	Sampled:	May-17-11	14:00	May-17-11	14:00	May-17-11	14:00	May-17-11	14 00		
BTEX by EPA 8021B	Extracted:	May-27-11	12 15	May-27-11	12.15	May-27-11	12:15	May-27-11	12:15		
	Analyzed:	May-28-11	23.57	May-29-11	00:19	May-29-11	00 42	May-29-11	02.57		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		ND	0.0010	ND	0 00099	ND	0.00100	ND	0 00099		
Toluene		ND	0.0020	ND	0 0020	ND	0.0020	ND	0.0020		
Ethylbenzene		ND.	0 0010	ND	0 00099	ND	0 00100	ND	0 00099		
m_p-Xylenes		ND	0 0020	ND	0 0020	ND	0 0020	ND	0 0020		
o-Xylene		0 00385	0 0010	ND	0.00099	0.00128	0 00100	ND	0 00099		
Total Xylenes		0 00385	0 0010	ND	0 00099	0 00128	0 00100	ND	0 00099		
Total BTEX		0.00385	0.0010	ND	0 00099	0 00128	0.00100	ND	0.00099		
Percent Moisture	Extracted:										
	Analyzed:	May-27-11	16.10	May-27-11	16.10	May-27-11	16.10	May-27-11	16:10		
	Units/RL:	%	RL	%	RL	%	RL	%	RL		
Percent Moisture		2.61	1.00	7.57	1.00	2.10	1.00	4 61	1.00		
TPH By SW8015B Mod	Extracted:	May-27-11	12 45	May-27-11	12:45	May-27-11	12:45	May-27-11	12:45		
	Analyzed:	May-28-11	06.54	May-28-11	07:22	May-28-11	07.50	May-28-11	08:20		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C10 Gasoline Range Hydrocarbons		ND	15 0	ND	15.0	25 5	15.0	ND	14.9		
C10-C28 Diesel Range Hydrocarbons		716	15.0	330	15.0	1910	15.0	ND	14.9		
Total TPH		716	15.0	330	15.0	1940	15.0	ND	14.9		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II Odessa Laboratory Manager

Final 1 000

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765 Phone: 432-563-1800 Fax: 432-563-1713

	Project Manager:	Amanda Truji	llo							_	_					_		Proj	ect l	Nan	1e:					Mo	i lide	#8_					_
	Company Name	Yates Petrole	um Corporati	ion					_								_		Pro	ject	#:_			<u>-</u>									_
	Company Address:	105 South 4th	Street								_				_		_	Pi	ojec	t Lo	oc:												_
	City/State/Zip:	Artesia, NM	88210		·						_				_		_			РΟ	#: <u>12</u>	2693											_
	Telephone No:		575-748-431	0			Fax No:		575	-748	3-458	<u> 5</u>					Re	port	Form	nat:	[x	Sta	anda	rd	ł		TRE	۲P		٦,	NPDE	S	
	Sampler Signature:						e-mail:			-	atr	ajille		yate	sp	etro	oleur	n.c <u>c</u>	<u>m</u>						_								
lab use	only) Q	<del></del>		e-														- [				TCLP	_	nalyz	e Fo	эг: Т		$\overline{}$	$\overline{}$	$\overline{}$	$\overline{A}$	1	
ORDER	110010		8021	•					ı		reser	vation	2#1	of Con	laine	rs	Mat	rix	<u> </u>			OTAL.			$\dashv$						. 72 hrs		
LAB # (lab use only)		_D CODE	<u></u>	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers		HNO3			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		Other ( Specify)	SL=Sludge S=Sou/Solid	Specify Other	418 1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K) Anlons (Cl. SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatites	BTEX 8021B/5030 or BTEX 8260	RCI	NORM	Chlorides	ТСР	RUSH TAT (Pre-Schedule) 24, 48,	Standard TAT	
201	North Com	posite Samp	le	1'	1.5"	5/17/2011	2:00 PM			х							s		x							х			х	T			
202	South Com	nposite Samp	ole	1'	1.5"	5/17/2011	2:00 PM			х							S		x							х	$\Box$		x	floor		$oxed{L}$	
203	Middl	le Sample		1'	1.5"	5/17/2011	2:00 PM			х							S		x							х			x	floor	$\perp$	$\perp$	
004	SE Sp	ot Sample		1'	1.5"	5/17/2011	2:00 PM				_		_	_ _	L		s		×	_	_	_			$\dashv$	x	$\perp$	$\downarrow$	x	$\perp$	$\perp$	$\downarrow$	4
										_	_	4	$\perp$	₋				_	4	4	+	$\perp$		_	4	_	$\dashv$	$\dashv$	$\dashv$	4	+	+	-
		· · · · · · · · · · · · · · · · · · ·					· <del></del>		-	$\dashv$	$\dashv$	+	-	╁		-		-+	+	+	+	+		$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	+	+	+	╄	1
				<del> </del>					-	$\dashv$	_	-	$\dagger$	+	$\vdash$	$\Box$		$\dashv$	$\dagger$	+	+	+		7	$\dashv$	$\dashv$	+	十	+	+	十	十	1
	-																								$\exists$			$\top$	I	$\perp$	土		
																			1					$ \_                                   $			$\prod$		floor	$oxed{oxed}$			]
Special I	Instructions:	Pleas	e put Chlo	rides	in sep	parate report														5	abor Sampl OCs	e Co Free	ntair of H	ers lead:	intac spac	ct?" ce?		2	(F)	<b>)</b> (1) ケ	Z  <b>@</b>  Z	Ð	
Relinquis	ed by		Date 05/26/11	3 40	me D PM	Received by										Da			ime	(	abels Suston	dy se	als c	n co	oler	r(s) ·	s)	, v.:	COC	>		- 4h - 4h	1
Relinquis	ned by		Date		me	Received by										Da			ime		by	Sam Cour	pler/( ter?	Client	t Rep UPS	p ?	DHL	F	eo£	シント	N N one S	Star	
Relinquish	ned by Ex		Date	TI	me	Received by ELC	urdock	•						_	5.	Da 27		l .	ime	2 7	empe	eratu	re U	oon f	Nec Rec	eipt:			3	5. 1	°C		



#### **XENCO** Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

# Prelogin / Nonconformance Report - Sample Log-In

Client: Yates		•		
Date/Time: 5-27-1\\0:00				
Lab ID#: 418019 / 418021				
Initials:				
Sample Receipt Chec	cklist			
1. Samples on ice?	Blue	Water	No	
2. Shipping container in good condition?	Yes	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	N/A	
4. Chain of Custody present?	(PES)	No_		- <del></del>
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	No		
7. Chain of custody signed when relinquished / received?	(Tes)	No		
8. Chain of custody agrees with sample label(s)?	Yes	No		
9. Container labels legible and intact?	Ye	No		
10. Sample matrix / properties agree with chain of custody?	Yes	No ·		
11. Samples in proper container / bottle?	(Veg)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	Yes	No		
16. Subcontract of sample(s)?	Yes	(NO)	N/A	
17. VOC sample have zero head space?	Yes	No	WA	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No	o.	Cooler 5 No.	
71	°C lbs	°C	Ibs	°(
Nonconformance Docum	nentation	·		
Contact:Contacted by:		Date/Time:		
	<del></del>			
Regarding:				
Corrective Action Taken:				
		<del></del>		
			<del></del>	
Check all that apply:   Cooling process has begun shortly after sampling the sampling and t		out of temper	ature	
condition acceptable by NELAC 5.5.8.3.1.a □ Initial and Backup Temperature confirm out of t		nditions		

☐ Client understands and would like to proceed with analysis



December 16, 2011

AMANDA TRUJILLO

Yates Energy Petroleum Corp 105 S 4th Street

Artesia, NM 88210

RE: MOBIL CL #8

Enclosed are the results of analyses for samples received by the laboratory on 12/12/11 16:00.

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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited 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 & 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



### Analytical Results For:

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

Fax To:

(505) 748-4635

Analyzed By: HM

Received:

12/12/2011

Reported:

Chloride, SM4500CI-B

12/16/2011

Project Name: Project Number: MOBIL CL #8 NONE GIVEN

mg/kg

Project Location:

NOT GIVEN

Sampling Date:

Sampling Date.

12/08/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: 4' BGS (H102657-01)

Cilioriac, Siri-1500 ci B	9	7.19		,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/14/2011	ND	432	108	400	3.77	
Sample ID: 6' BGS (H10265	57-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/14/2011	ND	432	108	400	3.77	
Sample ID: 7' BGS (H10265	57-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/14/2011	ND	432	108	400	3.77	
Sample ID: 8' BGS (H10265	57-04)		•						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM		-			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	12/14/2011	ND	432	108	400	3.77	

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE Lability 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 cause whatsoever 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 inodental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors assing 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 Laborationes.

Celey & Keene



#### Analytical Results For:

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

Fax To:

(505) 748-4635

Received: Reported: 12/12/2011

12/16/2011

Project Name:

MOBIL CL #8

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sampling Date:

12/08/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: 9' BGS (H102657-05)

#### mg/kg

#### Analyzed By: HM

Result

208

Result

160

16.0

Reporting Limit

Reporting Limit

16.0

16.0

% Recovery

True Value QC 400

RPD Oualifier

Chloride

Chloride

Chloride

12/14/2011

Analyzed

Method Blank ND

BS 432

BS

432

108

3.77

Sample ID: 10' BGS (H102657-06)

Analyte

Analyte

m	ı/kg
1111	I/KY

#### Analyzed By: HM

Analyzed

12/14/2011

Method Blank ND

% Recovery

108

108

True Value QC 400

RPD

Qualifier

Sample ID: 11' BGS (H102657-07)

Chloride,	SM4500CI-B
-----------	------------

m	g/	кg
	_	

### Analyzed By: AP

Result	Reporting	Limit

192

Analyzed 12/14/2011 Method Blank ND

BS % Recovery

432

True Value QC

400

RPD 3.77

3.77

Qualifier

Sample ID: 12' BGS (H102657-08)

### Chloride, SM4500CI-B

#### mg/kg

#### Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	272	16.0	12/14/2011	ND	432	108	400	3.77			

Cardinal Laboratories

\*=Accredited Analyte

any other cause whatsoever shall be deemed 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 chent, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

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 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

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 client for analyses. All claims, including those for negligence and any other cause whatsoever 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 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 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 Laboratones

Celey D. Keene, Lab Director/Quality Manager

Celey & Keine



## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

	Project Manager: Amanda Trujillo		1 3					·-					· ,	, Pro	ject	Nam	ie:		·		Mc	bil	<u>CI :</u>	#8			
	Comp. (505) 393-2326 Yates Petroleum Corporat	ion <u>,</u>					:	·.	· .				· ·	,	Pro	ject	#:		· · · .			**.	•		· · · ·		· · ·
	Company Address: 105 South 4th Street					٠						: .:	· : ^	P	rojec	et Ĺ.c	oc:	.:	· · ;,·	· ·	Mo	. , obil	CI	#8_			
	City/State/Zip: Artesia, NM 88210	·	· · · · ·				• :	.41		. :			<u>.</u>			PO	#:	, -·.	, * ,	·.	· · · · · ·		<del></del>		<del></del>		<del></del>
•	Telephone No: 575-748-4310				Fax No:		· ·	• -	.•				<del></del>	Report	For	mat:	Ē	⊻ st	anda	ŗd	· [	] T	RRP	1.		NPDI	ES
	Sampler Signature:	<del></del>	· · · · · · · · · · · · · · · · · · ·		e-mail:	<u>a</u>	truji	illo(	<u>@ya</u>	ates	petr	<u>oleu</u>	<u>im.c</u>	<u>com</u>					A	nalyz	e For						
(lab use	only)																	1CLP		$\Box$		$\exists$	7	7.			وا
ÖRDÉ	R #:	. , ,	·,		· · · · · · · · · · · · · · · · · · ·	·	· [	Prese	ervatio	on & #	of Cont	iners ·		Matrix ·		$\neg \tau$	<del>-    </del>	QTAL	† ¬	$\vdash$		$\dashv$					8, 121
AB # (lab use only)	H102/65/FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled.	Field Filtered Total # of Containers		HNO <sub>3</sub>	HCI	H,SO₄	Nach S.O.S.ev	None	Other ( Specify)  DW≂Drinking Water St.=Sludge	GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	. 418.1 8015	FX 1005	(Ca, Mg,		Metals As Ag Ba Co Cr Pb Hg Se		amivolatiles	S 20 30 30 30 30 30 or B 1 EX 8260 B 20 30 30 30 30 30 30 30 30 30 30 30 30 30	NO N	Chlorides	SAR		KUSH 1A1 (Pre-Schedule) 24, 48 Standard TAT
··].	4' BGS	4	4.5'	12/8/11	8:00 AM	1	Τ	1	П			Ţ		S				1	1			1	1	:X			
12	6' BGS	6'	6.5'	12/8/11	8:00 AM	1					·			. S		,								X			
3	7'BGS	7'	7.5'	12/8/11	8:00 AM	1								s							: ·			X			
4	8' BGS	8'	.8.5'	12/8///	8:00 AM	1						25.2		S		•				, .:				X			
5	9' BGS	9'	9.5'	12/8/11	8:00 AM	1								·S								·		X			·   ·
10.	10 BGS	10'	10.5'	12/8/11	8:00 AM	1		<u> </u>			<u>.</u>			·s									1	X	.		
1.	11 BGS	. 11'	11.5'	17/8/11	8:00 AM	1	ŀ .,							s			<u> </u>		1					X			
4	12' BGS	12'	12.5'	12/8/11	8:00 AM	1		-				·		s		•								X			
			<u> </u>	,															1				Ŀ				
								Ĺ	·																		
Special	Instructions:					. ;				٠,٠.					, -,		Samı VOC	ple C s Fre	ontai e of	iners Héad	ients: Intac dspac	l? e?	<i>:</i> - :	.(	(V)	1	1
	shed by:  Date: 12/12/11 Shed by: Date:	9:2	ime 1 AM : ime	Received by: Received by:	Hen	<u> </u>	9-1/	1	- `			10	Date Date	11/4	Time () Time	0	Custo Custo Samp	ody s ody s ple H oy Sar	eals eals and l nple	on co on co Deliver/Cher	nt Rep	ner(s s) c.?	( · · ·	₹ Æ 4 . } (	\$ \delta	10 10 10 10 10 10 10 10 10 10 10 10 10 1	3 3 3 3
Relinqui	shed by: Date	T	ime	Received by EL	ОТ.		· :	-,,,,*		<del></del>			Date		Time	e . :	b	у Со	urrer	?.	UPS	· D	HL Y	50		Lone e 5 d	· C
			*.		**			-										E.		/ //		,	-	_	_		_