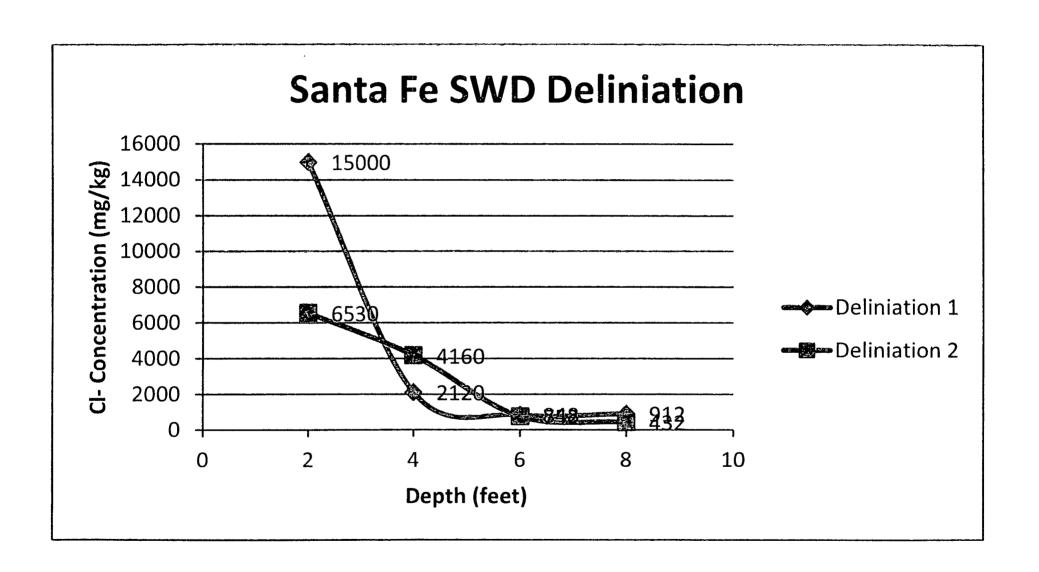


	Sampling Dep	th (feet)		
Sampling Area	2	4	6	8
Deliniation 1	15000	2120	848	912
Deliniation 2	£ 4 6530	4160	752	432

Removed :





June 12, 2012

AMANDA TRUJILLO Yates Energy Petroleum Corp 105 S 4th Street

RE: SANTA FE SWD

Artesia, NM 88210

Enclosed are the results of analyses for samples received by the laboratory on 06/07/12 10:00.

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

Celeg & Keene

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



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

Fax To:

(505) 748-4635

Received: Reported: 06/07/2012

06/12/2012

Project Name:

SANTA FE SWD

Project Number: Project Location: 103-2636

EDDY COUNTY, NM

Sampling Date:

06/04/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: DELINEATION 1 - 2' (H201272-01)

BTEX 8260B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.025	0.025	06/08/2012	ND	1.73	86.6	2.00	0.654	
Toluene*	<0.025	0.025	06/08/2012	ND	2.18	109	2.00	0.861	
Ethylbenzene*	<0.025	0.025	06/08/2012	ND	2.12	106	2.00	1.41	
Total Xylenes*	<0.075	0.075	06/08/2012	ND	7.31	122	6.00	1.41	
Surrogate Dibromofluoromethane	83 2 5	% 613-14	2						
Surrogate Toluene-d8	1169	6 71 3-12	9						
Surrogate 4-Bromofluorobenzene	106 9	65 7-14	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	06/07/2012	ND	187	93.3	200	3.69	
DRO >C10-C28	<10.0	10.0	06/07/2012	ND	188	93.8	200	4.29	
Surrogate 1-Chlorooctane	88 7 9	% 65 2-14	0						
Surrogate 1-Chlorooctadecane	102 9	63 6-15	4						

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alegistiene



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

Fax To:

(505) 748-4635

Received:

06/07/2012

Sampling Date:

06/04/2012

Reported:

06/12/2012

Soil

Sampling Type:

Project Name:

SANTA FE SWD

Sampling Condition:

Cool & Intact

Project Number:

103-2636

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DELINEATION 1 - 4' (H201272-02)

BTEX 8260B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/08/2012	ND	1.73	86.6	2.00	0.654	
Toluene*	0.039	0.025	06/08/2012	ND	2.18	109	2.00	0.861	
Ethylbenzene*	0.025	0.025	06/08/2012	ND	2.12	106	2.00	1.41	
Total Xylenes*	<0.075	0.075	06/08/2012	ND	7.31	122	6.00	1.41	
Surrogate Dibromofluoromethane	80 9	% 61 3-14	2						
Surrogate Toluene-d8	114 9	% 71 3-12	9						
Surrogate 4-Bromofluorobenzene	105	% 65 7-14	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	06/07/2012	ND	187	93.3	200	3.69	
DRO >C10-C28	<10.0	10.0	06/07/2012	ND	188	93.8	200	4.29	
Surrogate 1-Chlorooctane	867	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	105	% 63.6-15	4						

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

Received:

06/07/2012

Reported:

06/12/2012

Project Name:

SANTA FE SWD

Project Number: Project Location: 103-2636

EDDY COUNTY, NM

Sampling Date:

06/04/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: DELINEATION 1 - 6' (H201272-03)

BTEX 8260B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/08/2012	ND	1.73	86.6	2.00	0.654	
Toluene*	0.028	0.025	06/08/2012	ND	2.18	109	2.00	0.861	
Ethylbenzene*	<0.025	0.025	06/08/2012	ND	2.12	106	2.00	1.41	
Total Xylenes*	<0.075	0.075	06/08/2012	ND	7.31	122	6.00	1.41	
Surrogate Dibromofluoromethane	8119	61 3-14	2						
Surrogate Toluene-d8	113 %	6 71 3-12	9						
Surrogate 4-Bromofluorobenzene	104 %	65.7-14	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	06/07/2012	ND	187	93.3	200	3.69	
DRO >C10-C28	<10.0	10.0	06/07/2012	ND	188	93.8	200	4.29	
Surrogate 1-Chlorooctane	89 4 9	% 65 2-14	0					,	
Surrogate 1-Chlorooctadecane	109 %	63 6-15	4						

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Fax To:

(505) 748-4635

Received:

06/07/2012

Reported:

06/12/2012

Project Name:

SANTA FE SWD

Project Number: Project Location: 103-2636

EDDY COUNTY, NM

Sampling Date:

06/04/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: DELINEATION 1 - 8' (H201272-04)

BTEX 8260B	mg,	/kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/08/2012	ND	1.73	86.6	2.00	0.654	
Toluene*	<0.025	0.025	06/08/2012	ND	2.18	109	2.00	0.861	
Ethylbenzene*	<0.025	0.025	06/08/2012	ND	2.12	106	2.00	1.41	
Total Xylenes*	<0.075	0.075	06/08/2012	ND	7.31	122	6.00	1.41	
Surrogate Dibromofluoromethane	817	% 61 3-14	2						
Surrogate Toluene-d8	116	% 71 3-12	9						
Surrogate 4-Bromofluorobenzene	101	% 65 7-14	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	06/07/2012	ND	187	93.3	200	3.69	
DRO >C10-C28	<10.0	10.0	06/07/2012	ND	188	93.8	200	4.29	
Surrogate 1-Chlorooctane	77 3	% 65 2-14	0						
Surrogate 1-Chlorooctadecane	90.2	% 63 6-15	4						

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Fax To:

(505) 748-4635

Received:

06/07/2012

Reported:

06/12/2012 SANTA FE SWD

Project Name: Project Number:

103-2636

Sampling Date:

06/04/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DELINEATION 2 - 2' (H201272-05)

BTEX 8260B	mg/k	(g	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/08/2012	ND	1.73	86.6	2.00	0.654	
Toluene*	<0.025	0.025	06/08/2012	ND	2.18	109	2.00	0.861	
Ethylbenzene*	<0.025	0.025	06/08/2012	ND	2.12	106	2.00	1.41	
Total Xylenes*	<0.075	0.075	06/08/2012	ND	7.31	122	6.00	1.41	
Surrogate Dibromofluoromethane	82 0 %	61 3-14	2						
Surrogate Toluene-d8	114 %	71 3-12	9						
Surrogate 4-Bromofluorobenzene	104 %	65 7-14	1						
TPH 8015M	mg/k	(g	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	06/07/2012	ND	187	93.3	200	3.69	
DRO >C10-C28	<10.0	10.0	06/07/2012	ND	188	93.8	200	4.29	
Surrogate 1-Chlorooctane	869%	65 2-14	0						
Surrogate 1-Chlorooctadecane	100 %	63 6-15	4						

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Celeg Di Kena

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 11



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

Fax To:

(505) 748-4635

Received:

06/07/2012

Reported:

06/12/2012

Project Name:

SANTA FE SWD

Project Number:

103-2636

Project Location:

EDDY COUNTY, NM

Sampling Date:

06/04/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: DELINEATION 2 - 4' (H201272-06)

BTEX 8260B	mg,	'kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/12/2012	ND	1.73	86.6	2.00	0.654	
Toluene*	<0.025	0.025	06/12/2012	ND	2.18	109	2.00	0.861	
Ethylbenzene*	<0.025	0.025	06/12/2012	ND	2.12	106	2.00	1.41	
Total Xylenes*	<0.075	0.075	06/12/2012	ND	7.31	122	6.00	1.41	
Surrogate Dibromofluoromethane	88 6	% 61 3-14	2						
Surrogate Toluene-d8	113 9	% 713-12	9						
Surrogate 4-Bromofluorobenzene	103 9	% 65 7-14	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	06/07/2012	ND	182	91.1	200	4.54	
DRO >C10-C28	<10.0	10.0	06/07/2012	ND	184	92.2	200	7.32	
Surrogate 1-Chlorooctane	77 3	% 65.2-14	0		***************************************				
Surrogate 1-Chlorooctadecane	911	% 63.6-15	4						

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

Fax To: (505) 748-4635

Received:

06/07/2012

06/12/2012

Reported: Project Name:

SANTA FE SWD

Project Number:

103-2636

Project Location:

EDDY COUNTY, NM

Sampling Date:

06/04/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: DELINEATION 2 - 6' (H201272-07)

BTEX 8260B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/08/2012	ND	1.73	86.6	2.00	0.654	
Toluene*	0.029	0.025	06/08/2012	ND	2.18	109	2.00	0.861	
Ethylbenzene*	<0.025	0.025	06/08/2012	ND	2.12	106	2.00	1.41	
Total Xylenes*	<0.075	0.075	06/08/2012	ND	7.31	122	6.00	1.41	
Surrogate Dibromofluoromethane	82.3	% 61.3-14.	?				·		
Surrogate Toluene-d8	1149	% 71 3-12)						
Surrogate 4-Bromofluorobenzene	102 9	% 65 7-14	I						
TPH 8015M	mg/	kg	Analyze	ed By: MS	····				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/07/2012	ND	182	91.1	200	4.54	
DRO >C10-C28	<10.0	10.0	06/07/2012	ND	184	92.2	200	7.32	
Surrogate 1-Chlorooctane	87 9	% 65 2-14)						
Surrogate 1-Chlorooctadecane	96 0	% 63 6-15	Į.						

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Celes There



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

Fax To:

(505) 748-4635

Received:

06/07/2012

Reported:

06/12/2012

Project Name:

SANTA FE SWD

Project Number: Project Location: 103-2636

EDDY COUNTY, NM

Sampling Date:

06/04/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: DELINEATION 2 - 8' (H201272-08)

BTEX 8260B	mg/	/kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/08/2012	ND	1.73	86.6	2.00	0.654	
Toluene*	<0.025	0.025	06/08/2012	ND	2.18	109	2.00	0.861	
Ethylbenzene*	<0.025	0.025	06/08/2012	ND	2.12	106	2.00	1.41	
Total Xylenes*	<0.075	0.075	06/08/2012	ND	7.31	122	6.00	1.41	
Surrogate Dibromofluoromethane	84.2	% 61.3-14	2						
Surrogate: Toluene-d8	1169	% 71 3-12	9						
Surrogate 4-Bromofluorobenzene	106 9	% 65 7-14	I						
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	06/07/2012	ND	182	91.1	200	4.54	
DRO >C10-C28	<10.0	10.0	06/07/2012	ND	184	92.2	200	7.32	
Surrogate 1-Chlorooctane	85.0	% 65 2-14	0						
Surrogate 1-Chlorooctadecane	98 2	% 63 6-15	4						

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Celeg Li Keene



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

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Celeg Steine



ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

		Project Manager	Amanda Trujill	0														_	Pr	oject	Nai	me.					Sar	nta F	e S	WD				
City/State/Zip Ances Mile 18210		Comp. (505) 393-232	€ Yates Petroleti	ım Corporatio	on		····	·										_		Pr	ojec	:t#:_												
Telephone No 575-748-4310 Fax No Report Format:		Company Address.	. 105 South 4th	Street														_	í	Proje	ect L	.oc: _												
Sampler Signature		City/State/Zip	Artesia, NM 8	38210														-			PC	o #·_												
Company Comp		Telephone No	575-748-4310					Fax No										_ !	Repor	rt Fo	rmat	t: [×	Star	ndard	i	E	т	RRF	د		NP[DES	
Corporation		Sampler Signature						e-mail		<u>atr</u>	uji	llo@	Ŋγ	ates	spet	role	eun	ı cc	m															
Preservation Redundance Preservation Redundance	(lab use d	only)																		-			10	CLP	Ana	alyze	For	r:	_	_		\dashv		
Delineation 1 - 2'			コス							Ī		Preso	rvalii	on:8 a	of Co	ntain	ers	1 1	latrix	-	1		тот			-	\mp						72 hrs	
Delineation 1 - 2'	# (lab use only)				seginning Depth	nding Depth	Daté Sampled	Time Sampled	ield Filtered	ctal # of Containers								3L=Sludge		5	×	Calions (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)		s Ag Ba Cd Cr Pb Hg	/olaules	Semivolatiles	3TEX 8021B/5030 or BTEX 8260	, C.	Chlorides	SAR		RUSH TAT (Pre-Schedule) 24, 48,	Standard TAT
Delineation 1 - 6' 6' 6' 6' 6' 6' 6' 6'							6/4/2012	10 30 AM		1	×	1								,	Ė													
Delineation 1 - 8	7	Delineation 1 - 4'			4'	4'	6/4/2012	10 30 AM		1	х					\perp			s	x								х		x			\Box	
Delineation 2 - 2' 2' 6/4/2012 10 30 AM 1 x	13	Delineation 1 - 6'			6'	6'	6/4/2012	10.30 AM	<u> </u>	1	х								s	x								х		x				
Delineation 2 - 4' 4' 6/4/2012 10.30 AM 1 x	4	Delineation 1 - 8'			8,	8,	6/4/2012	10:30 AM		1	х				\perp				s	×							\perp	х		X				
Delineation 2 - 6' Belineation 2 - 6' Belineation 2 - 8' Beline	5	Delineation 2 - 2'			2'	2'	6/4/2012	10 30 AM		1	х					_			s	X							\perp	x		X				
Delineation 2 - 8' 8' 8' 6/4/2012 10.30 AM 1 x S x X X X X X X X X X	10	Delineation 2 - 4'			4'_	4'	6/4/2012	10 30 AM		1	x								S	×								x	\perp	x				
Special Instructions: Please Place Chlorides in separate report. Sample Containers Intacl? VOCs Free of Headspace? N Relinquished by. Date Time C3/06/12 S20 PM. Date Time Received by Date Time Time Time Time Temperature Upon Receipt Temperature Upon Receipt	7	Delineation 2 - 6'			6'	6'	6/4/2012	10.30 AM		1	х							L	S	x								x		x				
Relinquished by. Date Time C3/06/12 5.20 PM Date Time Received by Date Time Temperature Upon Receipt	4	Delineation 2 - 8'			8'	8,	6/4/2012	10.30 AM		1	×_	-			-	+	-	-	<u>s</u>	×	_				-		\downarrow	x	+	×			\dashv	-
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Reimquished by Date Timo Received by Date Timo Sample Hand Delivered Del			Pleas	e Place Cl	ılorid	es in :	,															San	nple	Cor	ntaine	ers Ir	ntac	t?			(Y)		N	
Temperature Upon Receipt	Relingula	hed by	Xb	06/06/12 Date	5.2	0 PM ime	, G.,		لرارا	16	J-l	//	·			4	0/1 D	∭ ≱te)	Tim	: <u>[]</u>	Lab Gus Gus San	els stod stod nple by S	on co y sea y sea : Har Samp	ontainals or als or als or ald De aler/C	ner(s i cor i coc eliver thent	s) ntain olei(red Rep	ner(s ,s)		(Š)	(z Z	ir
	Relinquis	hea by.		Date		ime	Received by El						_				L,	e				Ten					.ece	apt	_{	<u>が</u> P	'age	11	of	11



June 12, 2012

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

RE: SANTA FE SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/07/12 10:00.

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

Cardinal Laboratories is 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.

Celeg & Keene

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



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

Fax To:

(505) 748-4635

Received:

06/07/2012

Sampling Date:

06/04/2012

Reported:

06/12/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Project Name: Project Number: SANTA FE SWD 103-2636

Sample Received By:

Jodi Henson

Project Location:

Analyte

Analyte

Analyte

EDDY COUNTY, NM

Sample ID: DELINEATION 1 - 2' (H201272-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Result

Reporting Limit

Reporting Limit

16.0

BS

% Recovery True Value OC RPD

Qualifier

Chloride

15000

Result

2120

16.0 06/08/2012

Analyzed

Analyzed

06/08/2012

Method Blank ND

Method Blank

ND

432

108

0.00

RPD

0.00

Sample ID: DELINEATION 1 - 4' (H201272-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

% Recovery

108

108

True Value QC

400

400

Sample ID: DELINEATION 1 - 6' (H201272-03) Chloride, SM4500Cl-B

Analyzed By: AP

BS

432

BS

432

Qualifier

Chloride

Chloride

Result 848

Result

912

Reporting Limit 16.0 06/08/2012

Analyzed

Method Blank ND

% Recovery

True Value QC

400

RPD 0.00 Qualifier

Sample ID: DELINEATION 1 - 8' (H201272-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte Chloride

Reporting Limit

16.0

Analyzed 06/08/2012 Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD 0.00

Qualifier

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, shalf 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiances, affiliates or successors arising out of or related to the performance of the services hereunder 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 Laboratones.

Celegistrene Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



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

Received:

06/07/2012

Reported:

06/12/2012

Project Name:

SANTA FE SWD

Project Number:

103-2636

Project Location:

EDDY COUNTY, NM

Sampling Date:

ing Date.

06/04/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: DELINEATION 2 - 2' (H201272-05)

ample ID: DELINEATION hloride, SM4500Cl-B Analyte hloride ample ID: DELINEATION hloride, SM4500Cl-B Analyte hloride ample ID: DELINEATION hloride	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	06/08/2012	ND	432	108	400	0.00	
Sample ID: DELINEATIO	N 2 - 4' (H201	1272-06)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP			Chr. accessité de la constantina della constanti		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	06/08/2012	ND	432	108	400	0.00	
Sample ID: DELINEATIO	N 2 - 6' (H201	L272-07)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP		···			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	06/08/2012	ND	432	108	400	0.00	
Sample ID: DELINEATIO	N 2 - 8' (H201	1272-08)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					,
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/08/2012	ND	432	108	400	0.00	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE Lability and Damages. Cardinal's lability 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 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 kable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiantes, 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 Laboratories.

Clay Keine



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-8 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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Calley Therma



ARDINAL LABORATORIES 101 East Marland Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

	Project Manager	Amanda Trujill	lo													—	F	roje	ct N	ame.					<u>3an</u>	nta F	e S	<u>WD</u>				
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	Company Address	105 South 4th	Street	· · · · · · · · · · · · · · · · · · ·														Pro	ject	Loc:												
	City/State/Zip	Artesia, NM &	88210																													
	Telephone No	575-748-4310					Fax No										Rep	ort F	orm	at:	×	Star	ndaro	1	Г	TE				NPD	FS	
	Sampler Signature						e-mail				1100	t	oen	atro	alou		com				1	0101	10010	•	٠.					11 0		
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-AB # (lab use only)	FIE	LD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Samplod	Field Filtered	Total # of Containers	tce	HNO3	HSO.	NaO!!	Na ₂ S ₂ O ₃	None	Otner (Specify)	DW-Drinking Water SL-Sludge GW * Groundwater S*Soil/Solid	pecify Othe	TPH TX 1005 TX 1006	Calions (Ca. Mg, Ne, K)	Anions (Cl. SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg So	Volaules	Semivojacijes	BTEX 8021B/5030 or BTEX 8: RCI	VOR.W.	Chlondes	SAR	TAT USING	RUSH LAT (Pre-Schedule) 24,	Standard TAT
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71	Delineation 1 - 4'			4'	4'	6/4/2012	10.30 AM		1								s	,	_	1						x	1	x			\top	
3	Delineation 1 - 6'			6'	6'	6/4/2012	10.30 AM		1	Х							s	>	(х	I	x				
4	Delineation 1 - 8'			8'	8'	6/4/2012	10 30 AM		1	x			1_	_			S			_	_				\perp	x	\perp	×			_	
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