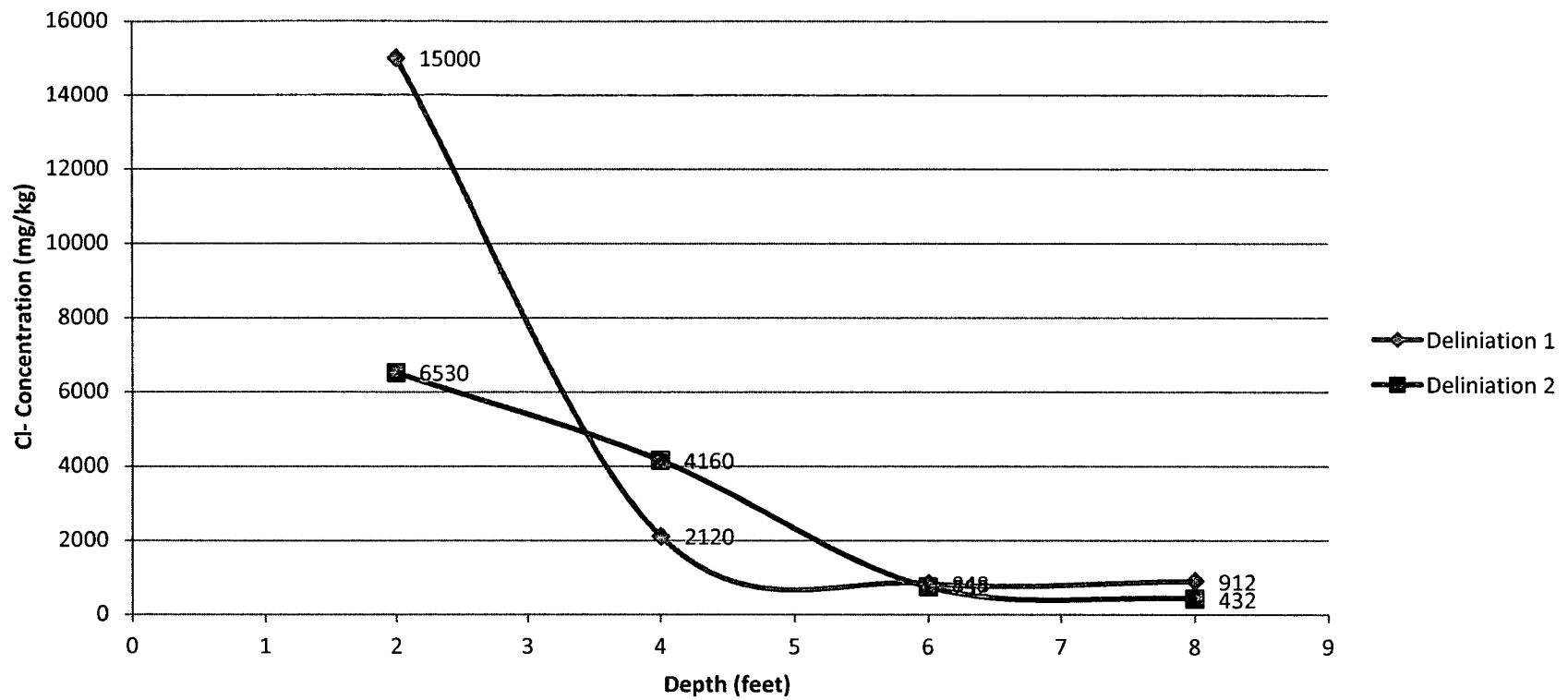
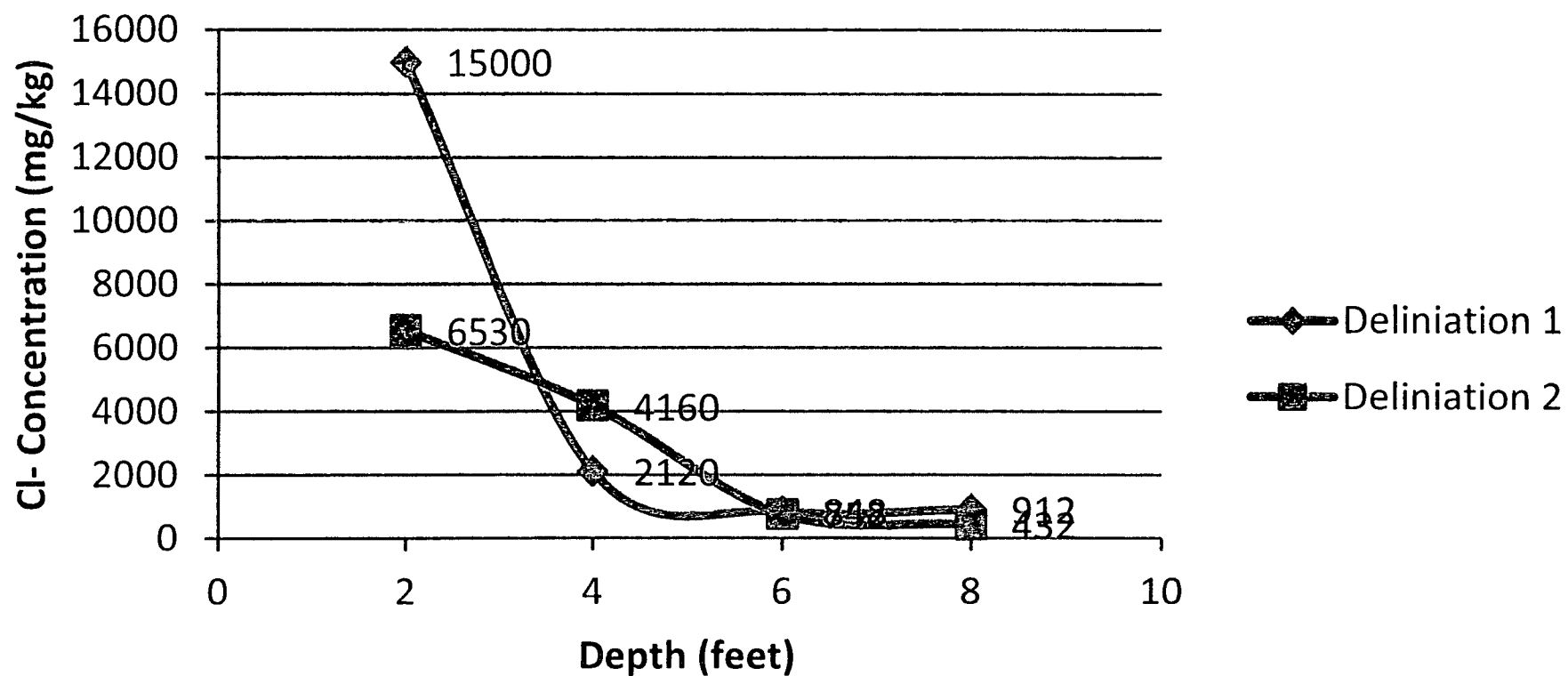


Santa Fe SWD Deliniation



	Sampling Depth (feet)			
Sampling Area	2	4	6	8
Deliniation 1	15000	2120	848	912
Deliniation 2	6530	4160	752	432
Removed				

Santa Fe SWD Deliniation





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

Sincerely,

A handwritten signature in cursive script, reading "Celey D. Keene".

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: 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 1 - 2' (H201272-01)

BTX 8260B		mg/kg		Analyzed 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 83.2 % 61.3-142

Surrogate Toluene-d8 116 % 71.3-129

Surrogate 4-Bromofluorobenzene 106 % 65.7-141

TPH 8015M		mg/kg		Analyzed 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 % 65.2-140

Surrogate 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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: 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 1 - 4' (H201272-02)

BTEX 8260B		mg/kg		Analyzed 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 % 61.3-142

Surrogate Toluene-d8 114 % 71.3-129

Surrogate 4-Bromofluorobenzene 105 % 65.7-141

TPH 8015M		mg/kg		Analyzed 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	

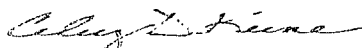
Surrogate 1-Chlorooctane 86.7 % 65.2-140

Surrogate 1-Chlorooctadecane 105 % 63.6-154

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*=Accredited Analyte

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Analytical Results For:

 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 1 - 6' (H201272-03)

BTX 8260B		mg/kg		Analyzed 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 81.1 % 61.3-142

Surrogate Toluene-d8 113 % 71.3-129

Surrogate 4-Bromofluorobenzene 104 % 65.7-141

TPH 8015M		mg/kg		Analyzed 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	

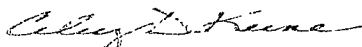
Surrogate 1-Chlorooctane 89.4 % 65.2-140

Surrogate 1-Chlorooctadecane 109 % 63.6-154

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* = Accredited Analyte

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Analytical Results For:

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 1 - 8' (H201272-04)

BTX 8260B		mg/kg		Analyzed 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 81.7 % 61.3-142

Surrogate Toluene-d8 116 % 71.3-129

Surrogate 4-Bromofluorobenzene 101 % 65.7-141

TPH 8015M		mg/kg		Analyzed 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 % 65.2-140

Surrogate 1-Chlorooctadecane 90.2 % 63.6-154

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 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 - 2' (H201272-05)

BTX 8260B		mg/kg		Analyzed 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 % 61.3-142
 Surrogate Toluene-d8 114 % 71.3-129
 Surrogate 4-Bromofluorobenzene 104 % 65.7-141

TPH 8015M		mg/kg		Analyzed 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 86.9 % 65.2-140
 Surrogate 1-Chlorooctadecane 100 % 63.6-154

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Analytical Results For:

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)

BTX 8260B		mg/kg		Analyzed 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 % 61.3-142
 Surrogate Toluene-d8 113 % 71.3-129
 Surrogate 4-Bromofluorobenzene 103 % 65.7-141

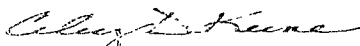
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/07/2012	ND	182	91.1	200	4.54	
DRO >C10-C28	<10.0	10.0	06/07/2012	ND	184	92.2	200	7.32	

Surrogate 1-Chlorooctane 77.3 % 65.2-140
 Surrogate 1-Chlorooctadecane 91.1 % 63.6-154

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 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 - 6' (H201272-07)

BTEx 8260B		mg/kg		Analyzed 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 % 61.3-142

Surrogate Toluene-d8 114 % 71.3-129

Surrogate 4-Bromofluorobenzene 102 % 65.7-141

TPH 8015M		mg/kg		Analyzed 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	

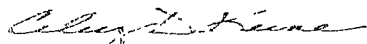
Surrogate 1-Chlorooctane 87.9 % 65.2-140

Surrogate 1-Chlorooctadecane 96.0 % 63.6-154

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Analytical Results For:

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 - 8' (H201272-08)
BTEX 8260B

mg/kg

Analyzed 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 % 61.3-142

Surrogate Toluene-d8 116 % 71.3-129

Surrogate 4-Bromofluorobenzene 106 % 65.7-141

TPH 8015M

mg/kg

Analyzed 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	

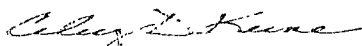
Surrogate 1-Chlorooctane 85.0 % 65.2-140

Surrogate 1-Chlorooctadecane 98.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

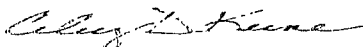
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

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

Project Name: Santa Fe SWD

Comp: (505) 393-2326 Yates Petroleum Corporation

Project #:

Company Address: 105 South 4th Street

Project Loc:

City/State/Zip: Artesia, NM 88210

PO #:

Telephone No: 575-748-4310

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: _____

e-mail: atrujillo@yatespetroleum.com

(lab use only)

ORDER #: H201272

LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers										Matrix	Analyze For:										RUSH TAT (Per-Schedule) 24, 48, 72 hrs	Standard TAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
										Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Sediment NP=Non-Portable Specify Other	ICLP										TPH 418 1	TPH 8015M			TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 9260	RCI	NORV	Chlorides	SAR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Special Instructions: Please Place Chlorides in separate report.

Relinquished by: <u>[Signature]</u>	Date: <u>03/06/12</u>	Time: <u>5:20 PM</u>	Received by: <u>[Signature]</u>	Date: <u>6/2/12</u>	Time: <u>10:01</u>	Laboratory Comments: Sample Containers Intact? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N VOCs Free of Headspace? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Labels on container(s) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Custody seals on container(s) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Custody seals on cooler(s) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sample Hand Delivered by Sampler/Client Rep? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N by Courier? <input type="checkbox"/> UPS <input type="checkbox"/> DHL <input type="checkbox"/> FedEx <input type="checkbox"/> Lone Star Temperature Upon Receipt: <u>#26</u>
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	
Relinquished by:	Date:	Time:	Received by: ELOT	Date:	Time:	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

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: 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 1 - 2' (H201272-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15000	16.0	06/08/2012	ND	432	108	400	0.00	

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	06/08/2012	ND	432	108	400	0.00	

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	06/08/2012	ND	432	108	400	0.00	

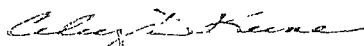
Sample ID: DELINEATION 1 - 8' (H201272-04)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	06/08/2012	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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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: 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 - 2' (H201272-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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: DELINEATION 2 - 4' (H201272-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
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: DELINEATION 2 - 6' (H201272-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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	

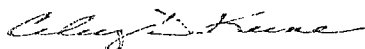
Sample ID: DELINEATION 2 - 8' (H201272-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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

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Celey D. Keene, Lab Director/Quality Manager

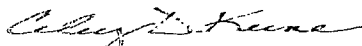
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

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

Project Name. Santa Fe SWD

Compt (505) 393-2326 Yates Petroleum Corporation

Project #. _____

Company Address 105 South 4th Street

Project Loc: _____

City/State/Zip Artesia, NM 88210

PO #: _____

Telephone No 575-748-4310

Fax No _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature _____

e-mail atrujillo@yatespetroleum.com

(lab use only)

ORDER #: H201272

(lab use only)																																Analyze For																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Special Instructions: Please Place Chlorides in separate report.

Relinquished by <u>[Signature]</u>	Date <u>CS/06/12</u>	Time <u>5 20 PM</u>	Received by <u>[Signature]</u>	Date <u>6/2/12</u>	Time <u>10:00</u>
Relinquished by _____	Date _____	Time _____	Received by _____	Date _____	Time _____
Relinquished by _____	Date _____	Time _____	Received by ELDT.	Date _____	Time _____

Laboratory Comments:
Sample Containers Intact? ☒
VOCs Free of Headspace? ☒
Labels on container(s) ☒
Custody seals on container(s) ☒
Custody seals on cooler(s) ☒
Sample Hand Delivered by Sampler/Client Rep? ☒
by Courier? ☐ UPS ☐ DHL ☐ FedEx ☐ Lone Star

Temperature Upon Receipt #26