

April 23, 2012

JEREMY HAASS

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 04/17/12 12:00.

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 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/17/2012
 Reported: 04/23/2012
 Project Name: SANTA FE SWD
 Project Number: 103-2636
 Project Location: EDDY COUNTY, NM

 Sampling Date: 04/13/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S 1 (H200886-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2012	ND	2.16	108	2.00	0.605		
Toluene*	<0.050	0.050	04/20/2012	ND	2.29	114	2.00	1.16		
Ethylbenzene*	<0.050	0.050	04/20/2012	ND	2.32	116	2.00	1.72		
Total Xylenes*	<0.150	0.150	04/20/2012	ND	7.28	121	6.00	2.24		

Surrogate: 4-Bromofluorobenzene (PIL) 107% 64 4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8500	16.0	04/19/2012	ND	416	104	400	0.00		

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	04/17/2012	ND	183	91.5	200	0.212		
DRO >C10-C28	<10.0	10.0	04/17/2012	ND	194	97.0	200	0.820		

Surrogate: 1-Chlorooctane 94.1% 55 5-154

Surrogate 1-Chlorooctadecane 92.7% 57 6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 105 S 4th Street
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 Fax To: (505) 748-4635

 Received: 04/17/2012
 Reported: 04/23/2012
 Project Name: SANTA FE SWD
 Project Number: 103-2636
 Project Location: EDDY COUNTY, NM

 Sampling Date: 04/13/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S 2 (H200886-02)

BTX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2012	ND	2.16	108	2.00	0.605		
Toluene*	<0.050	0.050	04/20/2012	ND	2.29	114	2.00	1.16		
Ethylbenzene*	<0.050	0.050	04/20/2012	ND	2.32	116	2.00	1.72		
Total Xylenes*	<0.150	0.150	04/20/2012	ND	7.28	121	6.00	2.24		

Surrogate 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9400	16.0	04/19/2012	ND	416	104	400	0.00		

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	04/17/2012	ND	183	91.5	200	0.212		
DRO >C10-C28	<10.0	10.0	04/17/2012	ND	194	97.0	200	0.820		

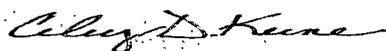
Surrogate 1-Chlorooctane 96.8 % 55.5-154

Surrogate 1-Chlorooctadecane 94.6 % 57.6-158

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*=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

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