

YATES PETROLEUM CORPORATION

Monday, March 07, 2011

GISSLER AV "B" BATTERY
PROP# 027590-002

5 SPOT COMPOSITE

B: BTEX = ND

GRO = ND

DRO = 223 PPM

N: BTEX = ND

GRO = ND

DRO = ND

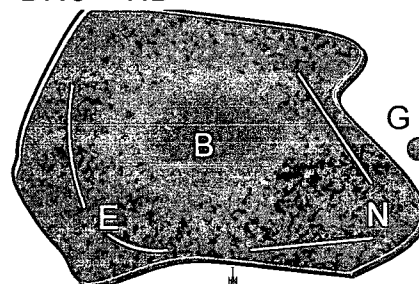
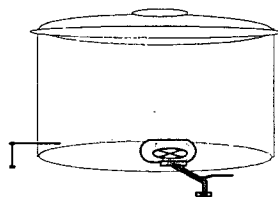
E: BTEX = ND

GRO = ND

DRO = ND

SW

NW



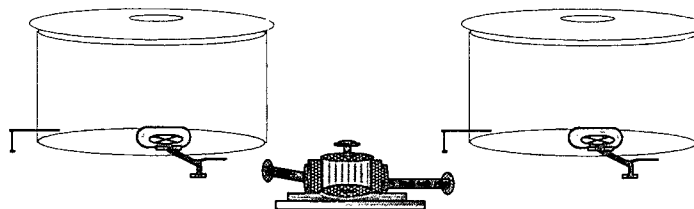
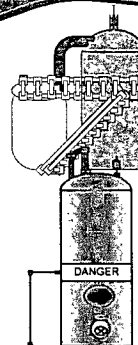
G:
BTEX = 261.9
GRO = 4020
DRO = 16000



RECEIVED

MAR 10 2011

NMOCD ARTESIA



SE

NE



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

January 14, 2011

AMANDA TRUJILLO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: GISSLER AVB

Enclosed are the results of analyses for samples received by the laboratory on 01/07/11 14:00.

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 Hydrocarbons

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

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

 Received: 01/07/2011
 Reported: 01/14/2011
 Project Name: GISSLER AVB
 Project Number: NONE GIVEN
 Project Location: GISSLER AVB

 Sampling Date: 01/06/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 8' BGS (H100048-01)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2011	ND	1.72	86.1	2.00	5.22	
Toluene*	<0.050	0.050	01/12/2011	ND	1.83	91.5	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/12/2011	ND	2.03	102	2.00	0.932	
Total Xylenes*	<0.150	0.150	01/12/2011	ND	6.32	105	6.00	0.155	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 70-130

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/14/2011	ND	208	83.0	250	2.58	
DRO >C10-C28	223	50.0	01/14/2011	ND	206	82.3	250	3.08	

Surrogate: 1-Chlorooctane 82.7 % 70-130

Surrogate: 1-Chlorooctadecane 85.6 % 70-130

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: 01/07/2011
Reported: 01/14/2011
Project Name: GISSLER AVB
Project Number: NONE GIVEN
Project Location: GISSLER AVB

Sampling Date: 01/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NORTH WALL 8' BGS (H100048-02)

BTEX 8021B			mg/kg							Analyzed By: CMS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	01/12/2011	ND	1.72	86.1	2.00	5.22			
Toluene*	<0.050	0.050	01/12/2011	ND	1.83	91.5	2.00	2.75			
Ethylbenzene*	<0.050	0.050	01/12/2011	ND	2.03	102	2.00	0.932			
Total Xylenes*	<0.150	0.150	01/12/2011	ND	6.32	105	6.00	0.155			

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 70-130

TPH 8015M			mg/kg									Analyzed By: AB	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier				
GRO C6-C10	<10.0	10.0	01/14/2011	ND	208	83.0	250	2.58					
DRO >C10-C28	<10.0	10.0	01/14/2011	ND	206	82.3	250	3.08					

Surrogate: 1-Chlorooctane 89.8 % 70-130

Surrogate: 1-Chlorooctadecane 95.4 % 70-130

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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: 01/07/2011
Reported: 01/14/2011
Project Name: GISSLER AVB
Project Number: NONE GIVEN
Project Location: GISSLER AVB

Sampling Date: 01/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: EAST WALL 8' BGS (H100048-03)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2011	ND	1.72	86.1	2.00	5.22	
Toluene*	<0.050	0.050	01/12/2011	ND	1.83	91.5	2.00	2.75	
Ethylbenzene*	<0.050	0.050	01/12/2011	ND	2.03	102	2.00	0.932	
Total Xylenes*	<0.150	0.150	01/12/2011	ND	6.32	105	6.00	0.155	

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 70-130

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/14/2011	ND	208	83.0	250	2.58	
DRO >C10-C28	<10.0	10.0	01/14/2011	ND	206	82.3	250	3.08	

Surrogate: 1-Chlorooctane 80.2 % 70-130

Surrogate: 1-Chlorooctadecane 89.8 % 70-130

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/07/2011
Reported: 01/14/2011
Project Name: GISSLER AVB
Project Number: NONE GIVEN
Project Location: GISSLER AVB

Sampling Date: 01/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: GRAB SAMPLE (H100048-04)

BTX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.50	2.50	01/13/2011	ND	1.63	81.4	2.00	11.4	
Toluene*	41.5	2.50	01/13/2011	ND	1.79	89.6	2.00	10.9	
Ethylbenzene*	30.4	2.50	01/13/2011	ND	2.03	102	2.00	10.8	
Total Xylenes*	190	7.50	01/13/2011	ND	6.32	105	6.00	11.1	

Surrogate: 4-Bromofluorobenzene (PIL) 127 % 70-130

TPH 8015M		mg/kg		Analyzed By: AB				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4020	100	01/14/2011	ND	208	83.0	250	2.58	
DRO >C10-C28	16000	100	01/14/2011	ND	206	82.3	250	3.08	

Surrogate: 1-Chlorooctane 137 % 70-130

Surrogate: 1-Chlorooctadecane 90.7 % 70-130

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Caley D. Keene, Lab Director/Quality Manager

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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



ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Amanda Trujillo

Project Name: Gissler AVB Battery

Company: (505) 393-2326 Yates Petroleum Corporation

Project #: _____

Company Address: 105 South 4th Street

Project Loc: Gissler AVB Battery

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 #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	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/Solid NP=Non-Portable Specify Other	TPH: 418.1 8015B	TPH: 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 S	Volatiles	Semivolatiles	BTEX 4021B 5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT (Pre-Schedule) 24, 48	Standard TAT
0048-1	Bottom 8' BGS	4"	6"	1/6/2011	11:00 AM		1	x								S	x							x			X			
-2	North Wall 8' BGS	4"	6"	1/6/2011	11:00 AM		1	x								S	x							x			X			
-3	East Wall 8' BGS	4"	6"	1/6/2011	11:00 AM		1	x								S	x							x			X			
-4	Grab Sample	4"	6"	1/6/2011	11:00 AM		1	x								S	x							x			x			

Special Instructions: Please place chloride results on separate report. Thank you.

Relinquished by: <u>Trujillo</u>	Date: 01/07/11	Time: 11:16 AM	Received by: <u>Yodi Benson</u>	Date: 1/7/11	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: ELOT:	Date:	Time:

Laboratory Comments:

Sample Containers Intact? ☒ N
VOCs Free of Headspace? ☒ N
Labels on container(s) ☒ N
Custody seals on container(s) ☒ Y N
Custody seals on cooler(s) ☒ Y N
Sample Hand Delivered ☒ Y N
by Sampler/Client Rep. ? ☒ N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 1.5 °C

