2RB-1424



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

Analytical Results For:

Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

11/28/2012

Sampling Date:

11/28/2012

Reported:

11/29/2012

Sampling Type:

Soil

Project Name:

DAYTON WATER LINE

Sampling Condition:

Cool & Intact

Project Number:

103-2636

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: BOTTOM 11' (H202868-03)

BTEX 8021B	mg/	kg	Analyze	d By: AP						
Analyte	Result Reporting Limit <0.050 0.050		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*			11/29/2012	ND	1.78	89.0	2.00	25.1		
Toluene*	<0.050	0.050	11/29/2012	ND .	2.38	119	2.00	2.75		
Ethylbenzene*	< 0.050	0.050	11/29/2012	ND	2.57	128	2.00	7.65		
Total Xylenes*	<0.150	0.150	11/29/2012	ND	7.72	129	6.00	5.77		
Total BTEX	<0.300	0.300	11/29/2012	ND						
Surrogate: 4-Bromofluorobenzene (PIL	120 %	6 89.4-12	6							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP						
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	11/29/2012	ND	400	100	400	3.92		
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	11/28/2012	ND	193	96.4	200	1.70		
DRO >C10-C28	O-C28 <10.0 10.0		11/28/2012	ND	208	104	200	1.70		
Surrogate: 1-Chlorooctane	82.79	% 65.2-140	0			٠				
Surrogate: 1-Chlorooctadecane	95.3 9	63.6-15-	4							

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*=Accredited Analyte

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Celey D Kune

Celey D. Keene, Lab Director/Quality Manager



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

11/28/2012

Reported:

11/29/2012

Project Name:

DAYTON WATER LINE

Project Number:

103-2636

Project Location:

EDDY COUNTY, NM

Sampling Date:

11/28/2012

Sampling Type:

Soil

Sampling Condition:

Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: BOTTOM 9' (H202868-02)

BTEX 8021B	mg/	/kg	Analyze	ed By: AP				_	*
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.083 0.050		11/28/2012	ND	1.78	89.0	2.00	25.1	
Toluene*	0.099	0.050	11/28/2012	ND	2.38	119	2.00	2.75	
Ethylbenzene*	<0.050	0.050	11/28/2012	ND	2.57	128	2.00	7.65	
Total Xylenes*	<0.150	0.150	11/28/2012	ND	7.72	129	6.00	5.77	
Total BTEX	<0.300	0.300	11/28/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIC	121 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14200 16.0		11/29/2012 ND		400	100	400	3.92	
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	11/28/2012	ND	181	90.5	200	1.11	
DRO >C10-C28	<10.0	10.0	11/28/2012 ND		190	94.9	200	2.41	
Surrogate: 1-Chlorooctane	81.19	% 65.2-140)						
Surrogate: 1-Chlorooctadecane	91.79	% 63.6-15-	4						

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Celeg D. Keine



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

11/28/2012

Sampling Date:

11/28/2012

Reported:

11/29/2012

Sampling Type:

Soil

Project Name:

11/29/2012

Sampling Condition:

Cool &

Project Number:

DAYTON WATER LINE 103-2636

Sample Received By:

Cool & Intact Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: BOTTOM 7' (H202868-01)

BTEX 8021B	mg/	kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		11/28/2012	ND	1.78	89.0	2.00	25.1	
Toluene*	<0.050	0.050	11/28/2012	ND .	2.38	119	2.00	2.75	
Ethylbenzene*	<0.050	0.050	11/28/2012	ND	2.57	128	2.00	7.65	
Total Xylenes*	<0.150	0.150	11/28/2012	ND	7.72	129	6.00	5.77	
Total BTEX	<0.300	0.300	11/28/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIC	124 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20800 16.0		11/29/2012 ND		400	100	400	3.92	
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	11/28/2012	ND	181	90.5	200	1.11	
DRO >C10-C28	<10.0	10.0	11/28/2012	ND	190	94.9	200	2.41	
Surrogate: 1-Chlorooctane	86.1 %	65.2-14	o						
Surrogate: 1-Chlorooctadecane	96.8 %	63.6-15	4						

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Celeg & Keene

Celey D. Keene, Lab Director/Quality Manager



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

11/28/2012

Sampling Date:

11/28/2012

Reported:

11/29/2012

Sampling Type:

Soil

Project Name:

DAYTON WATER LINE

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Project Number: Project Location: 103-2636

EDDY COUNTY, NM

101 %

63.6-154

Sample ID: SOUTH WALL (H202868-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		11/29/2012	ND	1.78	89.0	2.00	25.1	
Toluene*	<0.050	0.050	11/29/2012	ND	2.38	119	2.00	2.75	
Ethylbenzene*	<0.050	0.050	11/29/2012	ND	2.57	128	2.00	7.65	
Total Xylenes*	<0.150	0.150	11/29/2012	ND	7.72	129	6.00	5.77	
Total BTEX	<0.300 0.300		11/29/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	121 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP		r			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	11/29/2012	ND	400	100	400	3.92	
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	11/28/2012	ND	193	96.4	200	1.70	
DRO >C10-C28	<10.0 10.0		11/28/2012	ND	208	104	200	1.70	
Surrogate: 1-Chlorooctane	88.9 9	65.2-14	0						

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Surrogate: 1-Chlorooctadecane

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Celey D. Kura



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

11/28/2012

Sampling Date:

11/28/2012

Reported:

11/29/2012

Sampling Type:

Soil

Project Name:

DAYTON WATER LINE

Sampling Condition:

Cool & Intact

Project Number:

103-2636

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: NORTH WALL (H202868-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP		·····			
. Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		11/29/2012	ND	1.78	89.0	2.00	25.1	•
Toluene*	<0.050	0.050	11/29/2012	ND	2.38	119	2.00	2.75	
Ethylbenzene*	<0.050	0.050	11/29/2012	ND	2.57	128	2.00	7.65	
Total Xylenes*	<0.150	0.150	11/29/2012	ND	7.72	129	6.00	5.77	
Total BTEX	<0.300	0.300	11/29/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIC 121		6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	11/29/2012	ND	400	100	400	3.92	
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	11/28/2012	ND	193	96.4	200	1.70	
DRO >C10-C28	<10.0	10.0	11/28/2012	ND	208	104	200 .	1.70	
Surrogate: 1-Chlorooctane	86.2 9	6 65.2-14	0						
Surrogate: 1-Chlorooctadecane	101 %	63.6-15	4						

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager



November 29, 2012

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 11/28/12 14:55.

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 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.

Celeg D. 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



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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Celeg & Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: 177					4116 4171	BILL TO					ANALYSIS REQUEST														
Project Manage		. 59 35						P.0	P.O. #: 103-2636													Γ	-		
Address:						Co	Company: \\ \P(
City: Artes	Acres : A State: NA Zip: 88210						At	Attn: Server News							1		1		·						
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Project #:		Project Owner	الميان	: :1 . U		1300	<u>ځ</u> ې	Cit	City:																
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