

June 15, 2010

Amanda Trujillo Yates Petroleum Corporation 105 South 4th Street Artesia, NM 88210

Re: Federal CW-B #4

Enclosed are the results of analyses for sample number H20083, received by the laboratory on 06/10/10 at 11:30 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Method SW-846 8260 Method TX 1005 Benzene, Toluene, Ethyl Benzene, and Total Xylenes Benzene, Toluene, Ethyl Benzene, and Total Xylenes Total Petroleum Hydrocarbons

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

Cardinal Laboratories is accredited though 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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely.

Celcy D/ Reene Laboratory Director



ANALYTICAL RESULTS FOR YATES PETROLEUM CORPORATION ATTN: AMANDA TRUJILLO 105 SOUTH 4TH STREET ARTESIA, NM 88210

Receiving Date: 06/10/10 Reporting Date: 06/14/10 Project Number: NOT GIVEN Project Name: FEDERAL CW-B #4 Project Location: FEDERAL CW-B #4

H20083-4 SAMPLE 4

H20083-5 SAMPLE 5

Quality Control

True Value QC

% Recovery

Sampling Date: 04/27/10 Sample Type: SOIL Sample Condition: INTACT @ 5 °C Sample Received By: JH Analyzed By: AB/ZL

0.590

1.57

0.050

0.050

100

3.69

6.72

0.145

0.150

96.7

288

500

500

100

3.9

6,640

0.697

1.61

0.049

0.050

98.0

	GRO	DRO			ETHYL	TOTAL	
LAB NO. SAMPLE ID	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	BENZENE	TOLUENE	BENZENE	XYLENES	CI*
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE:	06/11/10	06/11/10	06/11/10	06/11/10	06/11/10	06/11/10	06/11/10
H20083-1 SAMPLE 1	609	6,240	<0.050	1.02	0.972	5.31	12,000
H20083-2 SAMPLE 2	<10.0	141	<0.050	0.088	0.071	0.429	8,480
H20083-3 SAMPLE 3	64.9	787	<0.050	0.438	0.462	3.01	11,200

3,660

4,430

444

500

88.8

< 0.050

<0.050

0.049

0.050

98.0

Relative Percent Difference		1.8	1.1 10.1]	9.6	9.3 9.3
METHODS: TPH GRO & DRO	- EPA SW-846 8	015 M; BTEX	- SW-846 8021E	3; CI-: Std. Method	s 4500-CI-B
*Analyses performed on *	1:4 w:v aqueous e	extracts.			

299

566

483

500

96.6

Not accredited for Chloride and GRO/DRO.

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Reported on wet weight. **Samples analyzed outside EPA recommended hold time.

Lab Director H20083 TBCE YATES

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3 Sample 2 1 0 1:00pm 1 x <			***************************************	1	4/27/2010	· 1:00pm			x										X								×	T		1 1		
3 Sample 3 4" 6" 4/27/2010 1:00pm 1 x x x x x 4 Sample 4 4" 6" 4/27/2010 1:00pm 1 x x x x x x 5 Sample 5 4" 6" 4/27/2010 1:00pm 1 x			4"	6"	4/27/2010	1:00pm		1	x								S		X	×			<u> </u>	> 			x		X	_↓		
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