

Will Russell  
Yates Petroleum Corporation  
PO Box 1908  
Rock Springs, WY 82901

Date: January 20, 2011  
Request Number: 30070  
Date Received: 1-11-12  
Matrix: Soil

### REPORT OF ANALYSIS

Lab Number: N2200

Sample ID: Big Hole Gulch #3 1-6-12

#### **BTEX/Analyzed 1-12-12**

Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	m,p-xylenes mg/kg	o-Xylenes mg/kg	Method
0.74	6.02	1.58	9.41	2.61	8015/8020

#### **DRO/GRO**

		Date Analyzed	Method
Diesel Range Organics, mg/kg	47.4	1/13/2012	8015
Gasoline Range Organics, mg/kg	78.5	1/12/2012	8015

#### **Quality Control**

	% Surrogate Recovery			
BTEX/GRO	109			
			RPD	Limit
DRO LCS/LCS Dup.	89	91	5	50

Monte L. Ellis  
Laboratory Manager



## **WYOMING ANALYTICAL LABORATORIES, INC.**

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Method: SW 8270C

### REPORT OF ANALYSIS

Lab Number: N2200		
<b>Sample ID: Big Hole Gulch #3 1-6-12</b>		
PAH Compound	Result, mg/kg	Reporting Limit, mg/kg
Acenaphthene	0.0153	0.0116
Acenaphthylene	0.0124	0.0116
Anthracene	< 0.0116	0.0116
Benzo [a] anthracene	0.0175	0.0116
Benzo [b] fluoranthene	0.0222	0.0116
Benzo [k] fluoranthene	< 0.0116	0.0116
Benzo [a] pyrene	0.036	0.0116
Benzo [g,h,i] perylene	0.0215	0.0116
Chrysene	0.0551	0.0116
Dibenz [a,h] anthracene	< 0.0116	0.0116
Fluoranthene	0.0227	0.0116
Fluorene	0.0579	0.0116
Indeno [1,2,3-cd] pyrene	< 0.0116	0.0116
2-Methylnaphthalene	0.821	0.0116
Napthalene	0.293	0.0116
Phenanthrene	0.359	0.0116
Pyrene	0.0389	0.0116

### Quality Control Data

Surrogate	% Recovery	Limits
2-Fluorophenyl	53%	45-110%
Nitrobenzene-d5	60%	40-120%
Terphenyl-d14	54%	25-150%

**NOTE:** PAH was analyzed by TestAmerica Labs in Cedar Falls IA  
TestAmerica Lab ID: CVA0700-01

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