

Bratcher, Mike, EMNRD

From: Bob Asher [BobA@yatespetroleum.com]
Sent: Monday, May 09, 2011 2:15 PM
To: Bratcher, Mike, EMNRD
Cc: Jerry Fanning
Subject: Rio Pecos GB Com. #2 (2RP-724)
Attachments: Analytical Report 415676; Rio Pecos GB Com. #2.pdf

Mike,

Attached are sampling results at the captioned location. Impacted soils were excavated to a depth of four (4) feet; impacted soils were taken to an NMOC approved facility. I would like to request these results be accepted for closure.

If you have any questions, please call me.

Thank you.

Robert Asher
Yates Petroleum Corporation
Office: (575) 748-4217
Cell: (575) 365-4021
Fax: (575) 748-4662
boba@yatespetroleum.com

Analytical Report 415676

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Rio Pecos GB Com. #2

30-015-22492

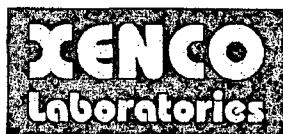
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09-MAY-11

Project Manager: **Robert Asher**
Yates Petroleum Corporation
105 South Fourth St.
Artesia, NM 88210

Reference: XENCO Report No: **415676**
Rio Pecos GB Com. #2
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 415676. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 415676 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 415676



Yates Petroleum Corporation, Artesia, NM
Rio Pecos GB Com. #2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp - 05.0	S	May-03-11 14:21	5 - 5 ft	415676-001
Comp - 06.0	S	May-03-11 14:35	6 - 6 ft	415676-002
Comp - 07.0	S	May-03-11 14:51	7 - 7 ft	415676-003



CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Rio Pecos GB Com. #2



Project ID: 30-015-22492
Work Order Number: 415676

Report Date: 09-MAY-11
Date Received: 05/06/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-855115 TPH By SW8015B Mod
SW8015B_NM

Batch 855115, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 415676-001.

Batch: LBA-855141 BTEX by EPA 8021B
SW8021BM

Batch 855141, Benzene, Toluene recovered below QC limits in the Matrix Spike. Ethylbenzene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 415676-001, -002, -003.

The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

SW8021BM

Batch 855141, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 415676-001,415676-003,415676-002.



Certificate of Analysis Summary 415676

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-22492

Contact: Robert Asher

Project Location: Eddy County

Project Name: Rio Pecos GB Com. #2

Date Received in Lab: Fri May-06-11 11:00 am


Report Date: 09-MAY-11

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	415676-001	415676-002	415676-003			
	Field Id:	Comp - 05.0	Comp - 06.0	Comp - 07.0			
	Depth:	5-5 ft	6-6 ft	7-7 ft			
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	May-03-11 14:21	May-03-11 14:35	May-03-11 14:51			
BTEX by EPA 8021B	Extracted:	May-06-11 13:30	May-06-11 13:30	May-06-11 13:30			
	Analyzed:	May-07-11 10:14	May-07-11 11:21	May-07-11 12:32			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		ND 0.0234	ND 0.0243	ND 0.0062			
Toluene		ND 0.0469	0.252 0.0485	ND 0.0125			
Ethylbenzene		0.0607 0.0234	0.0876 0.0243	ND 0.0062			
m_p-Xylenes		0.764 0.0469	1.03 0.0485	0.0755 0.0125			
o-Xylene		0.902 0.0234	1.21 0.0243	0.0802 0.0062			
Total Xylenes		1.67 0.0234	2.24 0.0243	0.156 0.0062			
Total BTEX		1.73 0.0234	2.58 0.0243	0.156 0.0062			
Percent Moisture	Extracted:						
	Analyzed:	May-06-11 17:00	May-06-11 17:00	May-06-11 17:00			
	Units/RL:	% RL	% RL	% RL			
Percent Moisture		15.3 1.00	18.2 1.00	19.9 1.00			
TPH By SW8015B Mod	Extracted:	May-06-11 14:00	May-06-11 14:00	May-06-11 14:00			
	Analyzed:	May-07-11 07:36	May-07-11 08:04	May-07-11 08:33			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C10 Gasoline Range Hydrocarbons		72.0 17.7	139 18.3	ND 18.7			
C10-C28 Diesel Range Hydrocarbons		184 17.7	309 18.3	50.5 18.7			
Total TPH		256 17.7	448 18.3	50.5 18.7			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
Odessa Laboratory Manager



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- II** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

PQL Practical Quantitation Limit

LOD Limit of Detection

LOQ Limit of Quantitation

DL Method Detection Limit

*** Outside XENCO's scope of NELAC Accreditation.**

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12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Robert Asher

Project Name: Rio Pecos GB Com. #2

Company Name: Yates Petroleum Corporation

Project #: 30-015-22492

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

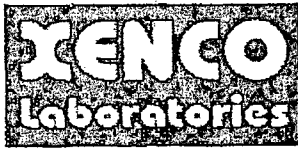
Sampler Signature: [Signature]

e-mail: boba@yatespetroleum.com

(lab use only)

ORDER #: 415676

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	H ₂ SiO ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Petroleum Specify Other	TPH: 418.1	8015M	801	TPH: TX 1005	TX 1006	Calcons (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg S	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 6286	RCI	N.O.R.M.	Chlorides	RUSH TAT: 24 hrs, 48 hrs, 72 hrs	Standard TAT
001	Comp-05.0	5'	5'	5/3/2011	2:21 PM	1	X									S	X										X					X	
002	Comp-06.0	6'	6'	5/3/2011	2:35 PM	1	X									S	X										X					X	
003	Comp-07.0	7'	7'	5/3/2011	2:51 PM	1	X									S	X										X					X	



XENCO Laboratories
Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
Document No.: SYS-SRC
Revision/Date: No. 01, 5/27/2010
Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Nates
Date/Time: 5-6-11 11:00
Lab ID #: 415676
Initials: YM

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	<u>N/A</u>	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 3.5 °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
☐ Initial and Backup Temperature confirm out of temperature conditions
☐ Client understands and would like to proceed with analysis