2RP-644

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Tuesday, April 05, 2011 2:26 PM
To: 'Bob Asher'
Cc: Jerry Fanning
Subject: RE: New Mexico DB State Com. #1

Bob,

I will approve a closure request for this site.

Mike Bratcher
NMOCD DISTRICT 2
1301 W. GRAND AVE.
ARTESIA, NM 88210
575-748-1283 EXT.108
mike.bratcher@state.nm.us

From: Bob Asher [mailto:BobA@yatespetroleum.com]
Sent: Friday, April 01, 2011 11:15 AM
To: Bratcher, Mike, EMNRD
Cc: Jerry Fanning
Subject: New Mexico DB State Com. #1

Mike,

The following analytical results are for your review. The current excavation area is approximately 45' X 60' X 4' deep, all impacted soils were hauled to an NMOCD approved facility. The sample area was divided into thirds in case of any hot spots (TPH & BTEX are within RRAL's for the zero site ranking). If these results acceptable, Yates would like to then request closure.

Please call me if you have any questions.

New Mexico DB State Com. #1

Analytical Report- 407075410840 & 410841	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-04.0 W	West 1/3	3/22/2011	Comp/Shovel	4'	0.0459	45.2	24.2	69.4	40.7
Comp-04.0 C	Center 1/3	3/23/2011	Comp/Shovel	4'	2.0000	214	98.9	312.9	192
Comp-04.0 E	East 1/3	3/23/2011	Comp/Shovel	4'	1.0500	77.9	18.8	96.7	65.6

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 480', per NMOSE).
All results are ppm. Chlorides results are for documentation.

Thank you.

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

Bratcher, Mike, EMNRD

From: Bob Asher [BobA@yatespetroleum.com]
Sent: Friday, April 01, 2011 11:15 AM
To: Bratcher, Mike, EMNRD
Cc: Jerry Fanning
Subject: New Mexico DB State Com. #1
Attachments: MX-5500N_20110401_110512.pdf; MX-5500N_20110401_110538.pdf

Mike,

The following analytical results are for your review. The current excavation area is approximately 45' X 60' X 4' deep, all impacted soils were hauled to an NMOCD approved facility. The sample area was divided into thirds in case of any hot spots (TPH & BTEX are within RRAL's for the zero site ranking). If these results acceptable, Yates would like to then request closure.

Please call me if you have any questions.

New Mexico DB State Com. #1

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Comp-04.0 E	East 1/3	3/23/2011	Comp/Shovel	4'	1.0500	77.9	18.8	96.7	65.6

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 480', per NMOSE).
All results are ppm. Chlorides results are for documentation.

Thank you.

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

Analytical Report 410840

for

Yates Petroleum Corporation

Project Manager: Robert Asher

New Mexico DB State Com. # 1

30-015-23682

29-MAR-11

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL01273):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):
Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

29-MAR-11

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

Reference: XENCO Report No: **410840**
New Mexico DB State Com. # 1
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 410840. 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. 410840 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

Sample Cross Reference 410840

Yates Petroleum Corporation, Artesia, NM

New Mexico DB State Com. # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-04.0 W	S	Mar-22-11 10:44	4 - 4 ft	410840-001
Comp-04.0 C	S	Mar-22-11 10:50	4 - 4 ft	410840-002
Comp-04.0 E	S	Mar-22-11 10:56	4 - 4 ft	410840-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: New Mexico DB State Com. # 1

Project ID: 30-015-23682 *Report Date:* 29-MAR-11
Work Order Number: 410840 *Date Received:* 03/24/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-849457 TPH By SW8015B Mod
SW8015MOD_NM

Batch 849457, C10-C28 Diesel Range Hydrocarbons, C6-C10 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 410840-002, -003, -001.
The Laboratory Control Sample for C10-C28 Diesel Range Hydrocarbons , C6-C10 Gasoline Range Hydrocarbons is within laboratory Control Limits

Batch: LBA-849483 BTEX by EPA 8021B
SW8021BM

Batch 849483, m_p-Xylenes RPD was outside QC limits.
Samples affected are: 410840-002, -003, -001

SW8021BM

Batch 849483, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 410840-003.
4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 410840-002,410840-003.

SW8021BM

Batch 849483, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 410840-002, -003, -001.
The Laboratory Control Sample for Toluene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: New Mexico DB State Com. # 1

Project ID: 30-015-23682
Work Order Number: 410840

Report Date: 29-MAR-11
Date Received: 03/24/2011

Batch: LBA-849610 BTEX by EPA 8021B
SW8021BM

Batch 849610, 4-Bromofluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 410840-003.

Certificate of Analysis Summary 410840

Yates Petroleum Corporation, Artesia, NM

Project Name: New Mexico DB State Com. # 1

Project Id: 30-015-23682
Contact: Robert Asher
Project Location: Eddy County

Date Received in Lab: Thu Mar-24-11 10:10 am
Report Date: 29-MAR-11
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	410840-001		410840-002		410840-003				
	Field Id:	Comp-04.0 W		Comp-04.0 C		Comp-04.0 E				
	Depth:	4-4 ft		4-4 ft		4-4 ft				
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	Mar-22-11 10:44		Mar-22-11 10:50		Mar-22-11 10:56				
BTEX by EPA 8021B	*Extracted:*	Mar-24-11 14:54		Mar-24-11 14:54		Mar-24-11 14:54				
	Analyzed:	Mar-27-11 18:33		Mar-27-11 18:56		Mar-27-11 19:18				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Benzene		ND	0.0010	0.00354	0.0010	0.00259	0.0010			
Toluene		0.00382	0.0020	0.0327	0.0021	0.0241	0.0021			
Ethylbenzene		0.00291	0.0010	0.0270	0.0010	0.140	0.0010			
m_p-Xylenes		0.00249	0.0020	0.0942	0.0021	0.0448	0.0021			
o-Xylene		0.0367	0.0010	1.84 D	0.0204	0.835 D	0.0203			
Total Xylenes		0.0392	0.0010	1.93 D	0.0021	0.880 D	0.0021			
Total BTEX		0.0459	0.0010	2.00 D	0.0010	1.05 D	0.0010			
Percent Moisture	*Extracted:*									
	Analyzed:	Mar-24-11 17:00		Mar-24-11 17:00		Mar-24-11 17:00				
	Units/RL:	%	RL	%	RL	%	RL			
Percent Moisture		1.91	1.00	1.86	1.00	1.87	1.00			
TPH By SW8015B Mod	*Extracted:*	Mar-24-11 11:30		Mar-24-11 11:30		Mar-24-11 11:30				
	Analyzed:	Mar-27-11 01:15		Mar-27-11 01:40		Mar-27-11 02:06				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
C6-C10 Gasoline Range Hydrocarbons		45.2	15.3	214	15.3	77.9	15.3			
C10-C28 Diesel Range Hydrocarbons		24.2	15.3	98.9	15.3	18.8	15.3			

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 effect the recovery of the spike concentration. This condition could also effect 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.

H 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

* Outside XENCO's scope of NELAC Accreditation.

Environmental Lab of Texas

A Xenco Laboratories Company

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: New Mexico DB State Com. #1

Company Name: Yates Petroleum Corporation

Project #: 30-015-23682

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: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature:

e-mail: boba@yatespetroleum.com

(lab use only)
ORDER #: 410840 / 410841

Analyze For:

TCLP:

TOTAL:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Comp-04.0 W	4'	4'	3/22/2011	10:44 AM			X								S	X								X			X			X
02	Comp-04.0 C	4'	4'	3/22/2011	10:50 AM			X								S	X								X			X			X
03	Comp-04.0 E	4'	4'	3/22/2011	10:56 AM			X								S	X								X			X			X
	PLEASE PUT CHLORIDES ON SEPARATE REPORT																														

Special Instructions: TPH 8015M, BTEX 8021B & Chlorides. ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Asher	03/23/11	2:37 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Fedex			Andrea Elam	3-24-11	10:10

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL (FedEx) Lone Star

4029 4455

Temperature Upon Receipt: 3.0 °C

XENCO Laboratories	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: Yates Petroleum
Date/Time: 3.24.11 10:10
Lab ID #: 410840 / 410841
Initials: AE

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	3.1 °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

Analytical Report 410841

for

Yates Petroleum Corporation

Project Manager: Robert Asher

New Mexico DB State Com. # 1

30-015-23682

29-MAR-11

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL01273):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):
Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

29-MAR-11

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

Reference: XENCO Report No: **410841**
New Mexico DB State Com. # 1
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 410841. 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. 410841 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

Sample Cross Reference 410841

Yates Petroleum Corporation, Artesia, NM

New Mexico DB State Com. # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-04.0 W	S	Mar-22-11 10:44	4 - 4 ft	410841-001
Comp-04.0 C	S	Mar-22-11 10:50	4 - 4 ft	410841-002
Comp-04.0 E	S	Mar-22-11 10:56	4 - 4 ft	410841-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: New Mexico DB State Com. # 1

Project ID:	*30-015-23682*	*Report Date:*	*29-MAR-11*
Work Order Number:	*410841*	*Date Received:*	*03/24/2011*

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Certificate of Analysis Summary 410841

Yates Petroleum Corporation, Artesia, NM

Project Name: New Mexico DB State Com. # 1

Project Id: 30-015-23682
Contact: Robert Asher
Project Location: Eddy County

Date Received in Lab: Thu Mar-24-11 10:10 am
Report Date: 29-MAR-11
Project Manager: Brent Barron, II

Analysis Requested											
	Lab Id:	410841-001		410841-002		410841-003					
	Field Id:	Comp-04.0 W		Comp-04.0 C		Comp-04.0 E					
	Depth:	4-4 ft		4-4 ft		4-4 ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Mar-22-11 10:44		Mar-22-11 10:50		Mar-22-11 10:56					
Anions by E300	*Extracted:*										
	Analyzed:	Mar-25-11 16:52		Mar-25-11 16:52		Mar-25-11 16:52					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		40.7	21.4	192	8.56	65.6	8.56				
Percent Moisture	*Extracted:*										
	Analyzed:	Mar-24-11 17:00		Mar-24-11 17:00		Mar-24-11 17:00					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		1.91	1.00	1.86	1.00	1.87	1.00				

Brent Barron, II
Odessa Laboratory Manager

Final 1.000

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 effect the recovery of the spike concentration. This condition could also effect 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.

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U Analyte was not detected.

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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

* Outside XENCO's scope of NELAC Accreditation.

Environmental Lab of Texas

A Xenco Laboratories Company

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

Company Name: Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4217 Fax No: 575-748-4662

Sampler Signature:

e-mail: boba@yatespetroleum.com

Project Name: New Mexico DB State Com. #1

Project #: 30-015-23682

Project Loc: Eddy County

PO #: 105632

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)

ORDER #: 410840 / 410841

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1	8015M	8015B	TPH: TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Comp-04.0 W	4'	4'	3/22/2011	10:44 AM			X								S			X											X			X			X
02	Comp-04.0 C	4'	4'	3/22/2011	10:50 AM			X								S			X											X			X			X
03	Comp-04.0 E	4'	4'	3/22/2011	10:56 AM			X								S			X											X			X			X
	PLEASE PUT CHLORIDES ON SEPARATE REPORT																																		

Special Instructions: TPH 8015M, BTEX 8021B & Chlorides. ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Asher	03/23/11	2:37 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: Fedex	Date	Time	Received by ELOT: Cindra Elam	Date 3-24-11	Time 10:10

Laboratory Comments:

Sample Containers Intact? N

VOCs Free of Headspace? N

Labels on container(s) N

Custody seals on container(s) N

Custody seals on cooler(s) N

Sample Hand Delivered N

by Sampler/Client Rep. ? N

by Courier? UPS DHL FedEx Lone Star

4029 1085

Temperature Upon Receipt: 3.1 °C

XENCO Laboratories	Document Title: Sample Receipt Checklist
Atlanta, Boca Raton, Corpus Christi, Dallas	Document No.: SYS-SRC
Houston, Miami, Odessa, Philadelphia	Revision/Date: No. 01, 5/27/2010
Phoenix, San Antonio, Tampa	Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum

Date/Time: 3.24.11 10:10

Lab ID #: 410840 / 410841

Initials: AE

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	3.1 °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