YATES PETROLEUM CORPORATION
105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (575) 748-1471

October 26, 2011

Mr. Mike Bratcher
NMOCD District II
811 South First Street
Artesia, NM 88210

Re: Marathon Box Water Line
2RP-843
30-015-26916
Section 13, T21S-R23E
Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on July 19 2011 (8 bbls of produced water with 2 bbls of produced water being recovered). The release was from the failure of O-rings on a valve on the water line. Vertical and horizontal samples were taken on 8/3/2011 and sent to an NMOCD approved laboratory for analysis. Results indicated BTEX & TPH above RRAL's for the 18" sample, a work plan was submitted and impacted soils were excavated to a depth of four (4) feet with all impacted soils taken to an approved NMOCD facility. Samples were collected on 10/10/2011 and sent to an NMOCD approved laboratory, analytical results show TPH & BTEX below RRAL's for the site ranking of zero (0), (enclosed sample diagram and results). These analytical results have been accepted by the NMOCD for closure (10/25/2011). Yates Petroleum Corporation requests closure. The excavation area will be backfilled with clean soils to grade and contour of surrounding topography.

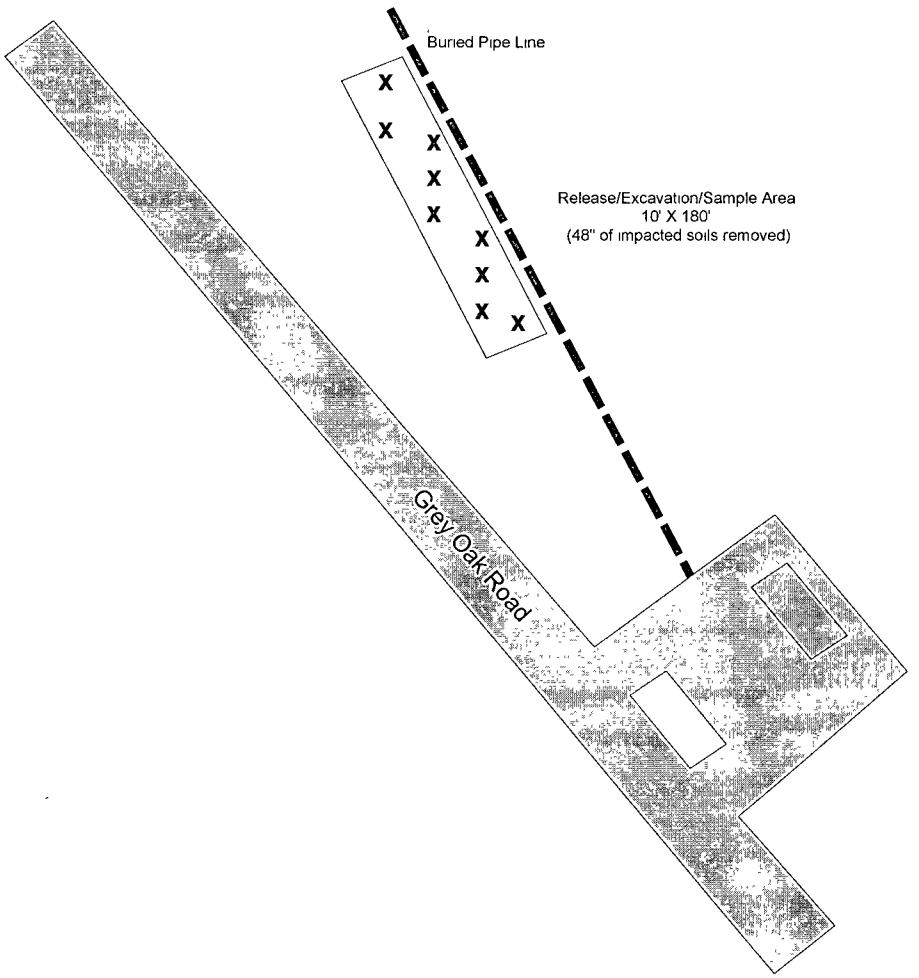
If you have any questions, please call me at 575-748-4217.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher
Senior Environmental Regulatory Agent

/rca
Enclosure(s)



Analytical Report- 425149 & 425150	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00 5	Release Area	8/3/2011	Comp/Auger	6" (18" BSL)	11.6	503 0	2800.0	3303 0	893
Comp-01.0	Release Area	8/3/2011	Comp/Auger	12" (18" BSL)	14.9	647.0	2070.0	2717.0	637
Comp-01 5	Release Area	8/3/2011	Comp/Auger	18" (24" BSL)	152 0	2810.0	7110 0	9920 0	668
A total of four (4) feet of impacted soils were excavated and taken to an NMOCD approved facility. (9/27/2011)									
Analytical Report- 429596	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00 5	Release Area	10/10/2011	Comp/Auger	6" (4 5' BSL)	3.0	116.0	937 0	1053.0	

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 180', Section 23, T21S-R23E per NMOSE).

All results are ppm. **X - Sample Points** BLS - Below Surface Level

Released: 8 B/PW; Recovered: 2 B/PW. Release Date: 7/19/2011

YATES PETROLEUM CORPORATION

Marathon Box Water Line

30-015-26916

Section13, T21S-R23E

Eddy County, NM

SAMPLE DIAGRAM(Not to Scale)
Xenco Laboratories# 425149 & 425150
Report Date: 8/15/2011
Xenco Laboratories# 429596
Report Date: 10/24/2011
Prepared by Robert Asher
Environmental Regulatory Agent

Analytical Report 429596

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Marathon Box Water Line

30-015-26916

24-OCT-11

Collected By: Client

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 (AZ0765), 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 Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

24-OCT-11

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

Reference: XENCO Report No: **429596**
Marathon Box Water Line
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 429596. 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. 429596 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 429596

Yates Petroleum Corporation, Artesia, NM

Marathon Box Water Line

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	10-10-11 10:44	6 - 6 In	429596-001

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Marathon Box Water Line

Project ID:	*30-015-26916*	*Report Date:*	*24-OCT-11*
Work Order Number:	*429596*	*Date Received:*	*10/14/2011*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-872889 Percent Moisture
RPD recovered outside QC limits between the sample and sample duplicate.

Batch: LBA-872976 BTEX by EPA 8021B
SW8021BM

Batch 872976, Ethylbenzene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 429596-001.
The Laboratory Control Sample for Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

SW8021BM

Batch 872976, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 429596-001.

Certificate of Analysis Summary 429596

Yates Petroleum Corporation, Artesia, NM

Project Name: Marathon Box Water Line

Project Id: 30-015-26916
Contact: Robert Asher
Project Location: Eddy County

Date Received in Lab: Fri Oct-14-11 01:52 pm
Report Date: 24-OCT-11
Project Manager: Brent Barron II

Analysis Requested								
	Lab Id:	429596-001						
	Field Id:	Comp-00.5						
	Depth:	6-6 In						
	Matrix:	SOLID						
	Sampled:	Oct-10-11 10:44						
BTEX by EPA 8021B	*Extracted:*	Oct-21-11 13:30						
	Analyzed:	Oct-21-11 19:36						
	Units/RL:	mg/kg	RL					
Benzene		ND	0.0210					
Toluene		0 761	0 0419					
Ethylbenzene		0 523	0.0210					
m_p-Xylenes		0 839	0 0419					
o-Xylene		0.901	0 0210					
Total Xylenes		1 74	0 0210					
Total BTEX		3 02	0 0210					
Percent Moisture	*Extracted:*							
	Analyzed:	Oct-17-11 14:40						
	Units/RL:	%	RL					
Percent Moisture		4.74	1 00					
TPH By SW8015B Mod	*Extracted:*	Oct-19-11 13:45						
	Analyzed:	Oct-20-11 08:32						
	Units/RL:	mg/kg	RL					
C6-C10 Gasoline Range Hydrocarbons		116	15.7					
C10-C28 Diesel Range Hydrocarbons		937	15.7					
Total TPH		1050	15.7					

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 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 quantiation limit and above the detection limit.

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 **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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: **Marathon Box Water Line**

Company Name: Yates Petroleum Corporation

Project #: 30-015-26916

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 #: 429596

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-00.5	6"	6"	10/10/2011	10:44 AM		1	X									S		X										X						X

Special Instructions: **TPH: 8015B & BTEX: 8021B Only.** Please show BTEX results as mg/kg. Thank you.

Relinquished by	Date	Time	Received by:	Date	Time
Robert Asher	10/13/11	11 48 AM		10/13/11	1148
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	10/14/11	1457	A. Hernandez	10/14/11	1:52

Laboratory Comments:

Sample Containers Intact?	Y	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 ?
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 3.0 °C

XENCO Laboratories	Document Title: Sample Receipt Checklist
XENCO Laboratories Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa	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

Date/Time: 10/14/11 13:52

Lab ID #: 429596

Initials: AH

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 °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 425149

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Marathon Box Water Line

30-015-26916

15-AUG-11

Collected By: Client

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 (AZ0765), 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 Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

15-AUG-11

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

Reference: XENCO Report No: **425149**
Marathon Box Water Line
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 425149. 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.

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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 425149

Yates Petroleum Corporation, Artesia, NM

Marathon Box Water Line

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	08-03-11 10:24	6 - 6 In	425149-001
Comp-01.0	S	08-03-11 10:41	12 - 12 In	425149-002
Comp-01.5	S	08-03-11 10:57	18 - 18 In	425149-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Marathon Box Water Line

Project ID:	*30-015-26916*	*Report Date:*	*15-AUG-11*
Work Order Number:	*425149*	*Date Received:*	*08/05/2011*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-867107 BTEX by EPA 8021B
SW8021BM

Batch 867107, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Benzene, Ethylbenzene, Toluene, m_p-Xylenes recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 425149-003, -001, -002.
The Laboratory Control Sample for Toluene, Benzene, o-Xylene, Ethylbenzene, m_p-Xylenes is within laboratory Control Limits

SW8021BM

Batch 867107, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 425149-003,425149-002.

Certificate of Analysis Summary 425149

Yates Petroleum Corporation, Artesia, NM

Project Name: Marathon Box Water Line

Project Id: 30-015-26916
Contact: Robert Asher
Project Location: Eddy County

Date Received in Lab: Fri Aug-05-11 09:20 am
Report Date: 15-AUG-11
Project Manager: Brent Barron II

Analysis Requested									
	Lab Id:	425149-001		425149-002		425149-003			
	Field Id:	Comp-00.5		Comp-01 0		Comp-01.5			
	Depth:	6-6 In		12-12 In		18-18 In			
	Matrix:	SOIL		SOIL		SOIL			
	Sampled:	Aug-03-11 10.24		Aug-03-11 10·41		Aug-03-11 10.57			
BTEX by EPA 8021B	*Extracted:*	Aug-11-11 10 40		Aug-11-11 10 40		Aug-11-11 10.40			
	Analyzed:	Aug-11-11 16 09		Aug-11-11 17.15		Aug-12-11 10.38			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		ND	0 279	0 238	0.112	1 60	1 12		
Toluene		2 30	0.558	2.46	0.224	34.2	2.25		
Ethylbenzene		0 675	0.279	0 811	0.112	6.72	1.12		
m_p-Xylenes		6.44	0.558	6.74	0 224	87 6	2.25		
o-Xylene		2.15	0.279	4.69	0 112	22 3	1.12		
Total Xylenes		8.59	0.279	11.4	0 112	110	1.12		
Total BTEX		11.6	0 279	14.9	0.112	152	1.12		
Percent Moisture	*Extracted:*								
	Analyzed:	Aug-05-11 13.00		Aug-05-11 13.00		Aug-05-11 13 00			
	Units/RL:	%	RL	%	RL	%	RL		
Percent Moisture		11.1	1 00	11.0	1.00	11 2	1.00		
TPH By SW8015B Mod	*Extracted:*	Aug-05-11 11 30		Aug-05-11 11·30		Aug-05-11 11.30			
	Analyzed:	Aug-05-11 16 17		Aug-05-11 16:46		Aug-05-11 17.14			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C10 Gasoline Range Hydrocarbons		503	83.9	647	169	2810	338		
C10-C28 Diesel Range Hydrocarbons		2800	83 9	2070	169	7110	338		
Total TPH		3300	83 9	2720	169	9920	338		

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 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 quantiation limit and above the detection limit.

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BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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

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: **Marathon Box Water Line**

Project #: 30-015-26916

Project Loc: Eddy County

PO #: 105632

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

(lab use only)

ORDER #: 425149 / 425150 CI

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: TPH 418.1	TPH 8015M	TPH TX 1005	TPH 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
																	TCLP																		
																	TOTAL	8015B																	
001	Comp-00.5	6"	6"	8/3/2011	10.24 AM		1	X								S	X										X			X				X
002	Comp-01.0	12"	12"	8/3/2011	10:41 AM		1	X								S	X										X			X				X
003	Comp-01 5	18"	18"	8/3/2011	10:57 AM		1	X								S	X										X			X				X
	PLEASE PUT CHLORIDES ON SEPARATE REPORT																																	

Special Instructions: **TPH: 8015B, BTEX: 8021B & Chlorides.** Please show BTEX results as mg/kg. Thank you.

Relinquished by	Date	Time	Received by	Date	Time
Robert Asher	08/04/11	2 24 PM			
Relinquished by	Date	Time	Received by.	Date	Time
Relinquished by	Date	Time	Received by ELOT.	Date	Time
Fed Ex			Lisa Murdock	8-5-11	9:20

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?		NA
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

4 oz ENC

Temperature Upon Receipt: 6 °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

Date/Time: 8-5-11 9:20

Lab ID #: 425149 / 425150-01

Initials: KM

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~~	KM
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	6 °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 425150

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Marathon Box Water Line

30-015-26916

15-AUG-11

Collected By: Client

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 (AZ0765), 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 Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

15-AUG-11

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

Reference: XENCO Report No: **425150**
Marathon Box Water Line
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 425150. 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. 425150 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 425150

Yates Petroleum Corporation, Artesia, NM

Marathon Box Water Line

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	08-03-11 10:24	6 - 6 In	425150-001
Comp-01.0	S	08-03-11 10:41	12 - 12 In	425150-002
Comp-01.5	S	08-03-11 10:57	18 - 18 In	425150-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Marathon Box Water Line

Project ID:	*30-015-26916*	*Report Date:*	*15-AUG-11*
Work Order Number:	*425150*	*Date Received:*	*08/05/2011*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-866920 Inorganic Anions by EPA 300/300.1
E300

Batch 866920, Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 425150-003, -001, -002.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Certificate of Analysis Summary 425150

Yates Petroleum Corporation, Artesia, NM

Project Name: Marathon Box Water Line

Project Id: 30-015-26916
Contact: Robert Asher
Project Location: Eddy County

Date Received in Lab: Fri Aug-05-11 09:20 am
Report Date: 15-AUG-11
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	425150-001		425150-002		425150-003					
	Field Id:	Comp-00 5		Comp-01.0		Comp-01.5					
	Depth:	6-6 In		12-12 In		18-18 In					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Aug-03-11 10 24		Aug-03-11 10.41		Aug-03-11 10 57					
Inorganic Anions by EPA 300/300.1 SUB: T104704215-TX	*Extracted:*	Aug-10-11 11.06		Aug-10-11 11 06		Aug-10-11 11.06					
	Analyzed:	Aug-10-11 16.37		Aug-10-11 16 55		Aug-10-11 17.49					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		893	5.62	637	5 62	668	5.63				
Percent Moisture	*Extracted:*										
	Analyzed:	Aug-05-11 13.00		Aug-05-11 13 00		Aug-05-11 13.00					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		11.1	1 00	11.0	1.00	11 2	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 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 quantiation limit and above the detection limit.

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 **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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

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: **Marathon Box Water Line**

Project #: 30-015-26916

Project Loc: Eddy County

PO #: 105632

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

(lab use only)

ORDER #: 425149 / 425150 Cl

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: TPH 418.1	8015M	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 (TCLP / TOTAL)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
001	Comp-00.5	6"	6"	8/3/2011	10.24 AM		1	X								S	X									X			X		X
002	Comp-01.0	12"	12"	8/3/2011	10.41 AM		1	X								S	X									X			X		X
003	Comp-01 5	18"	18"	8/3/2011	10:57 AM		1	X								S	X									X			X		X
	PLEASE PUT CHLORIDES ON SEPARATE REPORT																														

Special Instructions: **TPH: 8015B, BTEX: 8021B & Chlorides.** Please show BTEX results as mg/kg Thank you.

Relinquished by	Date	Time	Received by	Date	Time
Robert Asher	08/04/11	2 24 PM			
Relinquished by	Date	Time	Received by.	Date	Time
Relinquished by: Fed Ex	Date	Time	Received by ELOT: Lisa Murdock	Date: 8-5-11	Time: 9:20

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

4.0°C WC

Temperature Upon Receipt: 6 °C

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates
Date/Time: 8-5-11 9:20
Lab ID # : 425149 / 425150-01
Initials: LM

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~~ LM	
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	6 °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