Analytical Report 425878 & 425879	Sample Area	Sample Date	Sample Type	Depth	*BTEX	GRO	DRO	TOTAL	Chlorides
Comp-01.0 B	Release Area	8/12/2011	Comp/Auger	12" (24" BSL)	ND	ND	ŹD	ND	6010
Comp-02.0 B	Release Area	8/12/2011	Comp/Auger	24" (36" BSL)	ND	ND.	ND	ND	3440
Gomp-01:0 ES	Release Area	8/12/2011	Comp/Auger	12" (24" BSL)	ND.	ND	»ND.	ND	11500
Gomp-02:0 ES:	Release Area	8/12/2011	Comp/Auger	24" (36" BSL)	ND	ND	ND	ND	14800
Analytical Report- 429611	Sample Area	Sample Date	Sample Type	Depth	ВТЕХ	GRO	DRO	*TOTAL	Chlorides
Comp-03.0 B	Release Area	10/11/2011	Comp/Backhoe	3' (4'BSL)	e e e e e e e e e e e e e e e e e e e		egg cuma.		96.4
Comp-04.0 B	Release Area	10/11/2011	Comp/Backhoe	4' (5' BSL)				41	317
Comp-05.0 B	Release Area	10/11/2011	Comp/Backhoe	5' (6' BSL)		e de	100		21.9
Comp-03:0 ES	Release Area	10/11/2011	Comp/Backhoe	3',(4' BSL)	6				10500
Comp-04:0 ES	Release Area	10/11/2011	Comp/Backhoe	4' (5' BSL)			are seem		11700
Comp-05:0 ES	Release Area	10/11/2011	Comp/Backhoe	5'.(6' BSL)			12.	V. 4	9230
Analytical-Reports 431732	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-06.0 ES	Release Area	11/16/2011	Comp/Backhoe	6' (7' BSL)					8970
Comp-07.0 ES	Release Area	11/16/2011	Comp/Backhoe	7' (8' BSL)		3			4610
Comp-08.0 ES	Release Area	11/16/2011	Comp/Backhoe	8' (9' BSL)	107 - 115 T			10	5650
Comp-09.0 ES	Release Area	11/16/2011	Comp/Backhoe	9' (10' BSL)					2320
Analytical Report- 433948	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	ĎRÓ	TOTAL	Chlorides
Comp-10.0 ES	Release Area	12/20/2011	Comp/Backhoe	10' (11' BSL)					6300
Comp-11.0 ES	Release Area	12/20/2011	Comp/Backhoe	11' (12' BSL)			2.44		936

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 70', per Trend Map).

All results are ppm. BLS - Below Surface Level

Released: 80 B/PW; Recovered: 0 B/PW. Release Date: 6/2/2011

Impacted soils ecavated.



Analytical Report 425878

for Yates Petroleum Corporation

Project Manager: Robert Asher Humidor BMJ State Com. #1 30-015-32889

23-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)





23-AUG-11

Project Manager: Robert Asher Yates Petroleum Corporation

105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 425878

Humidor BMJ 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 425878. 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. 425878 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 425878

Yates Petroleum Corporation, Artesia, NM

Humidor BMJ State Com. #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-01.0 B	S	08-12-11 10:27	12 - 12 In	425878-001
Comp-02.0 B	S	08-12-11 10:48	24 - 24 In	425878-002
Comp-01.0 ES	S	08-12-11 11:08	12 - 12 In	425878-003
Comp-02.0 ES	S	08-12-11 11:26	24 - 24 In	425878-004





Client Name: Yates Petroleum Corporation Project Name: Humidor BMJ State Com. #1

Project ID:

30-015-32889

Report Date: 23-AUG-11

Work Order Number: 425878

Date Received: 08/17/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-867618 BTEX by EPA 8021B

SW8021BM

Batch 867618, Toluene, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Ethylbenzene, m p-Xylenes recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 425878-003, -001, -004, -002.

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

Batch: LBA-867727 TPH By SW8015B Mod

SW8015B NM

Batch 867727, C10-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix

Samples affected are: 425878-003, -001, -004, -002.

The Laboratory Control Sample for C10-C28 Diesel Range Hydrocarbons is within laboratory Control Limits

SW8015B_NM

Batch 867727, 1-Chlorooctane recovered above QC limits Data not confirmed by re-analysis. Samples affected are: 610130-1-BKS,610130-1-BLK,610130-1-BSD,425870-001 SD.

> Final 1 000 Page 4 of 15



Certificate of Analysis Summary 425878

Yates Petroleum Corporation, Artesia, NM

Project Name: Humidor BMJ State Com. #1



Project Id: 30-015-32889

Project Location: Eddy County

Contact: Robert Asher

Date Received in Lab: Wed Aug-17-11 10:00 am

Report Date: 23-AUG-11
Project Manager: Brent Barron II

								110ject Ma	mager.	Brent Barron II	
	Lab Id:	425878-0	001	425878-0	002	425878-0	003	425878-	004		
Analysis Requested	Field Id:	Comp-01.	.0 B	Comp-02	0 B	Comp-01.0	0 ES	Comp-02.	0 ES		
Analysis Requesieu	Depth:	12-12 I	n	24-24 I	n	12-12 I	n	24-24	In		
	Matrix:	SOIL		SOIL		SOIL		SOIL			
	Sampled:	Aug-12-11	10:27	Aug-12-11	10.48	Aug-12-11	11:08	Aug-12-11	11 26		
BTEX by EPA 8021B	Extracted:	Aug-17-11	16:15	Aug-17-11	16:15	Aug-17-11	16:15	Aug-17-11	16:15		
	Analyzed:	Aug-17-11	21.10	Aug-17-11	21:33	Aug-17-11	21:57	Aug-17-11	22:19		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene	,	ND	0 00109	ND	0 00112	ND	0 00111	ND	0 00114		
Toluene		ND	0.00219	ND	0 00224	ND	0 00222	ND	0 00228		
Ethylbenzene		ND	0 00109	ND	0 00112	ND	0 00111	ND	0 00114		
_p-Xylenes		ND	0 00219	ND	0 00224	ND	0 00222	ND	0 00228		
o-Xylene		ND	0 00109	ND	0 00112	ND	0 00111	ND	0 00114		
Total Xylenes		ND	0 00109	ND	0 00112	ND	0 00111	ND	0 00114		
Total BTEX	t	ND	0 00109	ND	0 00112	ND	0 00111	ND	0 00114		
Percent Moisture	Extracted:										
	Analyzed:	Aug-17-11	14.30	Aug-17-11	14:30	Aug-17-11	14:30	Aug-17-11	14.30		
	Units/RL:	%	RL	%	RL	%	RL	%	RL		
Percent Moisture		8.41	1.00	10 0	1.00	10 3	1.00	11.9	1 00		
TPH By SW8015B Mod	Extracted:	Aug-17-11	16:00	Aug-17-11	16:00	Aug-17-11	16:00	Aug-17-11	16:00		
Analyze		Aug-18-11	09:46	Aug-18-11	10:14	Aug-18-11	10:41	Aug-18-11	11:10		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C10 Gasoline Range Hydrocarbons		ND	16 5	ND	16.7	ND	16.7	ND	17.1		
C10-C28 Diesel Range Hydrocarbons		ND	16.5	ND	167	ND	16.7	ND	17.1		
Total TPH		ND	16.5	ND	167	ND	16.7	ND	171		

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 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.

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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 Name: Humidor BMJ State Com. #1 Project Manager: Robert Asher Company Name Project #: 30-015-32889 Yates Petroleum Corporation Company Address: 105 South 4th Street Project Loc: Eddy County City/State/Zip: PO#: 105632 Artesia, NM 88210 Report Format: X Standard NPDES TRRP Telephone No: Fax No: 575-748-4662 575-748-4217 boba@yatespetroleum.com Sampler Signature: e-mail: Analyze For: (lab use only) TCLP. TOTAL ORDER #: 425878 /4 25879 Preservation & # of Containers Matrix Cd Cr Pb Hg BTEX 8021B/5030 or BTEX ĭ $\overline{\mathbf{x}}$ only) Š. Beginning Depth Sampled Sampled Metals. As Ag Ba use Σg **Ending Depth** Contain TX 1005 Anions (Cl, SO4, # (Jab Cations (Ca, rotal #. of Chlorides Na₂S₂O₃ NORM Volatiles HCI HSO NaOH None FIELD CODE 12" 12" Comp-01.0 B 8/12/2011 10:27 AM S 24" 24" 8/12/2011 10:48 AM Х S X Χ Comp-02.0 B s Comp-01.0 ES 12" 12" 8/12/2011 11:08 AM S Comp-02.0 ES 24" 24' 8/12/2011 11:26 AM 72 HR TAT PLEASE PLEASE PUT CHLORIDES ON SEPARATE REPORT Special Instructions: TPH 8015M, BTEX 8021B & Chlorides. ALL results in mg/kg. Thank you. **Laboratory Comments:** Sample Containers Intact? N A VOCs Free of Headspace? N N N N N FedEx Lone Star Date Date Labels on container(s) Relinquished by Time Received by. Time Custody seals on container(s) 08/16/11 3:13 PM Custody seals on cooler(s) Robert Asher Relinguished by Date Time Received by Date Time Sample Hand Delivered by Sampler/Client Rep ? by Courier? UPS Temperature Upon Receipt: Time Received by ELOT: Date Relinquished by Date



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:	ates				•		
Date/Time: 8-17	-11 10:0	$\overline{\mathcal{C}}$					
Lab ID#: 4258	378/425	5879					
Initials:	gM						
		S	ample Receipt Check	dist			
1. Samples on ice?				Blue	Water	No	
2. Shipping container i	n good condit	ion?		Yes	No	None	
3. Custody seals intact	on shipping o	ontainer (co	ooler) and bottles?	Yes	No	N/A	
4. Chain of Custody pr	esent?			Yes	No		
5. Sample instructions	complete on o	hain of cus	tody?	Yes	No		
6. Any missing / extra	samples?			Yes	(No)		
7. Chain of custody sig	ned when reli	nquished / r	eceived?	Yes	No		
8. Chain of custody ag				Yes	No		
9. Container labels leg				Yes	No		
10. Sample matrix / pro	perties agree	with chain o	of custody?	Yes	No		
11. Samples in proper				Yes	No		
12. Samples properly	reserved?		Yes	No	N/A		
13. Sample container i	ntact?			Yes	No		
14. Sufficient sample a	mount for ind	icated test(s	;)?	Yes	No		
15. All samples receive	ed within suffi	cient hold ti	me?	(Yes) Q	, No		
16. Subcontract of san	nple(s)?			Yes	No	N/A	
17. VOC sample have:	zero head spa	ce?		Yes	No	(N/A)	
18. Cooler 1 No.	Cooler 2 No).	Cooler 3 No.	Cooler 4 No	o.	Cooler 5 No.	
lbs 4.1	C lbs	°C	lbs °C	lbs	°C	lbs	°c
	·	None	conformance Docume	entation		<u> </u>	
Contact:	,		y:		Date/Time:	•	
Contact	`	Joniacieu D	y •		Date/Inne		
Regarding:							
	·····						
Corrective Action Take	en:						
Check all that apply:	□ Cooling pro	ocess has he	egun shortly after sampling	event and o	out of temper	rature	
and apply	cond	ition accept	able by NELAC 5.5.8.3.1.a.1	ĺ.			
	☐ Initial and E	Backup Tem	perature confirm out of ten	nperature co	nditions		

 \Box Client understands and would like to proceed with analysis

Analytical Report 425879

for Yates Petroleum Corporation

Project Manager: Robert Asher Humidor BMJ State Com. #1 30-015-32889 23-AUG-11

Collected By: Client



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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)

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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)





23-AUG-11

Project Manager: Robert Asher Yates Petroleum Corporation

105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 425879

Humidor BMJ 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 425879. 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

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Sample Cross Reference 425879



Yates Petroleum Corporation, Artesia, NM

Humidor BMJ State Com. #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-01.0 B	S	08-12-11 10:27	12 - 12 In	425879-001
Comp-02.0 B	S	08-12-11 10:48	24 - 24 In	425879-002
Comp-01.0 ES	S	08-12-11 11:08	12 - 12 In	425879-003
Comp-02.0 ES	S	08-12-11 11:26	24 - 24 In	425879-004

CASE NARRATIVE



Client Name: Yates Petroleum Corporation Project Name: Humidor BMJ State Com. #1



Project ID:

30-015-32889

Work Order Number: 425879

Report Date: 23-AUG-11 Date Received: 08/17/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-867919 Anions by E300

E300MI

Batch 867919, Chloride recovered above QC limits in the Matrix Spike.

Samples affected are: 425879-002, -004, -003, -001.

The Laboratory Control Sample for Chloride is within laboratory Control Limits

Final 1.000



Certificate of Analysis Summary 425879

Yates Petroleum Corporation, Artesia, NM





Project ld: 30-015-32889 Contact: Robert Asher

Project Location: Eddy County

Report Date: 23-AUG-11

Date Received in Lab: Wed Aug-17-11 10:00 am

Project Manager: Brent Barron II

								I TO Jeet Ivia	uager.	Bient Barron I	<u> </u>	
	Lab Id:	425879-0	001	425879-0	02	425879-0	03	425879-0	004			
Analusia Danuastad	Field Id:	Comp-01	0 B	Comp-02.0	0 В	Comp-01 0	ES	Comp-02	0 ES			
Analysis Requested	Depth:	12-12	n	24-24 It	n	12-12 Ir	n	24-24 I	n			
	Matrix:	SOIL		SOIL		SOIL		SOIL				
	Sampled:	Aug-12-11	10.27	Aug-12-11	10:48	Aug-12-11 l	11.08	Aug-12-11	11.26			
Anions by E300	Extracted:											
	Analyzed: Aug-20-11 11:00 Aug-20-11 11:00		11.00	Aug-20-11 1	11:00	Aug-20-11	11:00					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Chloride		6010	91.7	3440	46.7	11500	117	14800	238			
Percent Moisture	Extracted:											
	Analyzed:	Aug-17-11	14:30	Aug-17-11 1	14:30	Aug-17-11 1	14.30	Aug-17-11	14:40			
Units.		%	RL	%	RL	%	RL	%	RL			
Percent Moisture		8 41	1.00	10 0	1.00	10 3	1 00	11.9	1.00			



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.
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- 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.
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- 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.
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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

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> Final 1.000 Page 6 of 11

A AGIR

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																F	roje	ct Na	me:	Hu	ım	do	r B	MJ	St	<u>ate</u>	Co	m. 1	#1	
	Company Name Yates Petroleum Corporation Company Address: 105 South 4th Street City/State/Zip: Artesia, NM 88210 Telephone No: 575-748-4217 Sampler Signature: e-mail: boba@yatespetroleum Duse only) CQ RDER #: 1125 878 / 1258 7 9 FIELD CODE B														_		Į	Proje	ct #:	30	-01	<u>5-32</u>	2889)								
	Company Name Yates Petroleum Corporation 105 South 4th Street 105 South 4th Street															_		Pro	ject	Loc:	Edd	ly C	ount	у								
	City/State/Zip:	Artesia, NM 88210	·			e-mail: boba@yatespet														P	O #:	105	632									
	Telephone No:	575-748-4217					Fax No:		575	5-74	3-46	62						Rep	ort F	orma	ıt:	×	Sta	ndar	d	[Т	RRP			NPDE	S
	Sampler Signature:	(der	Q	H	<u>,</u>		e-mail:		<u>bc</u>	<u>ba</u>	<u>@</u> y	ate	esp	etr	oleu	ım.	con	<u>n</u> _	_					- 4 -								7
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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				
Date/Time: 8-17-11 10:00				
Lab ID#: 425878/425879				
Initials:				
Sample Receipt Ch	ecklist			
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) A	, No		
16. Subcontract of sample(s)?	-Ves	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.	
ibs 4.1 °C lbs °C lbs	°C lbs	°C	lbs	-°c
Nonconformance Doc	umentation			
Contact:Contacted by:	····	Date/Time:_		
Regarding:				
Corrective Action Taken:				
Check all that apply: □Cooling process has begun shortly after sam condition acceptable by NELAC 5.5.8.3. □ Initial and Backup Temperature confirm out of	1.a.1.	-	ature	

 \Box Client understands and would like to proceed with analysis

Analytical Report 429611

for Yates Petroleum Corporation

Project Manager: Robert Asher
Humidor BMJ State Com.#1

30-015-32889

21-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 (AALII), 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)



Sample Cross Reference 429611

Yates Petroleum Corporation, Artesia, NM

Humidor BMJ State Com.#1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-03.0 B	S	10-11-11 10:00	3 - 3 ft	429611-001
Comp-04.0 B	S	10-11-11 10:02	4 - 4 ft	429611-002
Comp-05.0 B	S	10-11-11 10:05	5 - 5 ft	429611-003
Comp-03.0 ES	S	10-11-11 10:25	3 - 3 ft	429611-004
Comp-04.0 ES	S	10-11-11 10:30	4 - 4 ft	429611-005
Comp-05.0 ES	S	10-11-11 10:40	5 - 5 ft	429611-006

CASE NARRATIVE



Client Name: Yates Petroleum Corporation Project Name: Humidor BMJ State Com.#1

 Project ID:
 30-015-32889
 Report Date:
 21-OCT-11

 Work Order Number:
 429611
 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-872513 Percent Moisture

The RPD between the Sample and Sample Duplicate is outside of the QC limits. This is most

likely due to sample non-homogeneity.

Final 1.000



Certificate of Analysis Summary 429611

Yates Petroleum Corporation, Artesia, NM

Project Name: Humidor BMJ State Com.#1



Project Id: 30-015-32889 Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Oct-14-11 01:54 pm

Report Date: 21-OCT-11
Project Manager: Brent Barron II

								Project Mai	lager.	Stellt Dalloll			
	Lab Id:	429611-0	001	429611-0	02	429611-0	03	429611-0	04	429611-0	105	429611-0	06
Anaboda Danasata I	Field Id:	Comp-03.	0 B	Comp-04.	0 B	Comp-05	0 В	Comp-03 0	ES	Comp-04.0) ES	Comp-05.0	ES
Analysis Requested	Depth:	3-3 ft		4-4 ft		5-5 ft		3-3 ft		4-4 ft		5-5 ft	
	Matrix:	SOLIE)	SOLID	,	SOLID	•	SOLID		SOLID)	SOLID)
	Sampled:	Oct-11-11	10 00	Oct-11-11 1	0.02	Oct-11-11 1	0:05	Oct-11-111	0:25	Oct-11-11	0.30	Oct-11-11 1	0:40
Anions by E300	Extracted:												
	Analyzed:	Oct-20-11	00:32	Oct-20-11	00:32	Oct-20-11 0	00.32	Oct-20-11 0	0 32	Oct-20-11 (00:32	Oct-20-11 0	00:32
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		96.4	4.76	317	9.46	21.9	4 83	10500	189	11700	189	9230	176
Percent Moisture	Extracted:												
	Analyzed:	Oct-17-11	14:00	Oct-17-11 1	4.00	Oct-17-11 1	4.00	Oct-17-11 1	4:00	Oct-17-11	14:00	Oct-17-11 1	4:00
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		11.8	1.00	11.2	1.00	13 0	1.00	11.1	1.00	11.1	1.00	4 52	1.00

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 quantitation 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 analytic. 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.

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	

Page 10 of 1

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														_	Pro	oject	Nar	ne:_	Hu	nid	or	BM	JS	<u>Stat</u>	te C	Con	n. #	:1	
	Company Name	Yates Petroleum Corpora	ition		· · · · · · · · · · · · · · · · · · ·											-		Pr	ojec	t #: _	30-0	15-3	328	39							
	Company Address:	105 South 4th Street														_	F	² roje	ct L	oc: j	Eddy	Cou	nty								
	City/State/Zip:	Artesia, NM 88210														_			PC) #:_	1056	32									
	Telephone No:	575-748-4217				Fax No:		575	5-748	8-46	62			_		- 	Repor	t Foi	mat	- : [× s	tand	ard			TRE	RP	ſ	7	NPDE	
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only)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ء	oth										St.=Sludge	S=Sall/Solid	8015M 8015B	TX 1006	a, K)	kalınıty)	Cd Cr Pb Ha Se			or BTEX 8260					Jule)24,48,72 h			
LAB # (lab use	FIEL	.D CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	lce	HNO ₃	HCI	H₂SO₄	NaOH	None	Other (Specify)		GW = Groundwater S= NP=Non-Potable Spe	418.1	TPH TX 1005	Cations (Ca. Mg. Na,	Anions (Cl. SO4, Alkalinity)		Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	NOR.M	Chlorides		RUSH TAT (Pre-Schedule)24,48,72 hrs	Standard TAT
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Special li	nstructions:	Chlorides Only. ALL results in mg/kg. Thank you.																	Sam	ple C	ry Co onta e of	iners	inta	ct?		, 's	\Q)	N N	54 . (S.) (S.)	
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Corrective Action Taken:

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 Rep	ort - Sample	Log-In		
Client: Vates		•		
Date/Time: 10/14/11 13:54				
Lab ID#: 429611				
Initials:				
Sample Receipt Che	ecklist			
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	ı <u>. </u>	Cooler 5 No.	
lbs % °C lbs °C lbs	°C lbs	°C	ibs	°c
Nonconformance Docu	mentation			
Contact:Contacted by:		Date/Time:		
Regarding:				

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 431732

for Yates Petroleum Corporation

Project Manager: Robert Asher Humidor BMJ State Com.#1 30-015-32889

22-NOV-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)



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22-NOV-11

Project Manager: Robert Asher Yates Petroleum Corporation

105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 431732

Humidor BMJ 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 431732. 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. 431732 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 431732

Yates Petroleum Corporation, Artesia, NM

Humidor BMJ State Com.#1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-06.0 ES	S	11-16-11 09:45	6 - 6 ft	431732-001
Comp-07.0 ES	S	11-16-11 09:50	7 - 7 ft	431732-002
Comp-08.0 ES	S	11-16-11 10:05	8 - 8 ft	431732-003
Comp-09.0 ES	S	11-16-11 10:10	9 - 9 ft	431732-004





Client Name: Yates Petroleum Corporation Project Name: Humidor BMJ State Com.#1

 Project ID:
 30-015-32889
 Report Date:
 22-NOV-11

 Work Order Number:
 431732
 Date Received:
 11/17/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 431732

Yates Petroleum Corporation, Artesia, NM





Project Id: 30-015-32889 Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Thu Nov-17-11 11:58 am

Report Date: 22-NOV-11

								Project Ma	nager:	Brent Barron II	
	Lab Id:	431732-0	001	431732-0	02	431732-0	03	431732-0	004		
Analusia Daguestad	Field Id:	Comp-06	0 ES	Comp-07.0	ES	Comp-08.0	ES	Comp-09.	0 ES		
Analysis Requested	Depth:	6-6 ft	1	7-7 ft		8-8 ft		9-9 ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL			
	Sampled:	Nov-16-11	09·45	Nov-16-11 (09:50	Nov-16-11 I	0:05	Nov-16-11	10:10		
Anions by E300	Extracted:										
	Analyzed:	Nov-21-11	14.00	Nov-21-11	14.00	Nov-21-11	4:00	Nov-21-11	14:00		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		8970	187	4610	46.4	5650	47 2	2320	23.2		
Percent Moisture	Extracted:										
	Analyzed:	Nov-17-11	12:43	Nov-17-11	12:43	Nov-17-11	12.43	Nov-17-11	12.43		
	Units/RL:	%	RL	%	RL	%	RL	%	RL		
Percent Moisture		10.4	1,00	9.45	1.00	11.0	1.00	9.57	1.00		

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.
- 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.
- * Surrogate recovered outside laboratory control limit.
- 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.

^ NELAC or State program does not offer Accreditation at this time.

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa. FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 E Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	

nal 1.000

Page 11 of 12

Environmental Lab of Texas

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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					- -										_		Proj	ject	Nan	1e: <u> </u>	lun	nid	or E	3M.	J St	ate	Cc	om.	#1		
	Company Name	Yates Petroleum	Corporati	ion																Pro	oject	#: <u>3</u>	0-01	15-3	3288	9							_
	Company Address:	105 South 4th Str	eet														_		Pı	roje	ct Lo	c: <u>E</u>	ddy (Cour	nty								
	City/State/Zip:	Artesia, NM 882	10														_				РО	#: <u>1</u>	0563	2									
	Telephone No:	575-748-4217					Fax No:		575	5-74	3 <u>-46</u>	62						Rep	ort	For	mat:] St	anda	ard	[RRF)		NPC	DES	
	Sampler Signature:	Que.	$\Omega_{\mathbf{L}}$	1	4 1		e-mail:		<u>bc</u>	ba	<u>@</u> y	ate	sp	etro	leu	ım.	con	<u>n</u>															
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LAB # (lab use only)	FIEL	_D CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	lce	HNO ₃	HCI	H₂SO₄	NaOH	Na ₂ O ₂ O ₃	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	on-Potable	418 1 8015M	TPH. TX 1005 TX 1006	Anions (Cl. SO4. Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg	1]	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	NO N	Chlorides		DICHTER IN CO. 11 LANGE	RUSH 1AT (Pre-Schedule)24,48,72 Ctendard TAT	standard IA1
		p-06.0 ES		6'	6'	11/16/2011	9:45 AM	۳				7	1		,	〈	\top	s					1	<u> </u>			7	+	X		֓֟֟ <u>֟</u>	_	x
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4		p-09.0 ES		9'	9'	11/16/2011	10:10 AM					7		1	1,	_	1	s	1	7	7	+	T		\Box	寸	十	+	X	++	_		X
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Special	Instructions:	Chloride	s Only.	ALL	results	s in mg/kg. Th	nank you.	L]		II		I				l	· · · · ·				s	ampl	e Co	ntair		ents: Intaci		\$ 1. "	## #		 	A	*.
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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	, Petrole	UN	1			•		
Date/Time: \\4\	7-11 11	.30						
Lab ID#: 43/736	2							
Initials:	Æ							
		S	ample Receipt Ch	iecki	ist			
1. Samples on ice?					Blue	Water	No.	
2. Shipping container in	good condition?				Yes	No	None	
3. Custody seals intact of	on shipping conta	iner (co	oler) and bottles?		Yes	No	N/A	
4. Chain of Custody pres	sent?				Yes	No		
5. Sample instructions c	omplete on chain	of cust	ody?		Yes	No		
6. Any missing / extra sa	imples?				Yes	No		
7. Chain of custody sign	ed when relinquis	shed / n	eceived?		Yes	No		
8. Chain of custody agree	es with sample la	bel(s)?	······································		(Yes	No		
9. Container labels legib	le and intact?				CY98	No		
10. Sample matrix / prop	erties agree with	chain o	f custody?		Yes	No ·		
11. Samples in proper c	ontainer / bottle?				Yes	No		
12. Samples property pr	eserved?				Yes	No	N/A	
13. Sample container im	tact?		·		Yes	No		
14. Sufficient sample an	nount for indicate	d test(s)?		Yes	No		
15. All samples received	l within sufficient	hold tir	ne?		Yes	No		
16. Subcontract of samp	ple(s)?		 		Yes	No	N/A	
17. VOC sample have ze	ero head space?		<u> </u>		Yes	No	(N/A)	
18. Cooler 1 No.	Cooler 2 No.		Cooler 3 No.		Cooler 4 No.	· · · · · · · · · · · · · · · · · · ·	Cooler 5 No.	
lbs 9.0 °C	ibs	°C	lbs	ೀ	lbs	<u>°</u>	ibs	<u>°c</u>
		None	onformance Doc	ume	ntation			
Contact:	Conta	acted by	/:		i	Date/Time:_	·	
Regarding:								
			/					
Corrective Action Takes	n:							
								
Check all that apply:			egun shortly after san			ut of temper	ature	
	□Initial and Backı	up Tem	able by NELAC 5.5.8.3 perature confirm out of the process I would like to process	of tem	perature con	ditions		

Analytical Report 433948

for Yates Petroleum Corporation

Project Manager: Robert Asher Humidor BMJ State Com. #1 30-015-32889 28-DEC-11

Collected By: Client



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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 (AALII), 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)





28-DEC-11

Project Manager: Robert Asher Yates Petroleum Corporation 105 South Fourth St.

Artesia, NM 88210

Reference: XENCO Report No: 433948

Humidor BMJ 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 433948. 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

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Sample Cross Reference 433948

Yates Petroleum Corporation, Artesia, NM

Humidor BMJ State Com. #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-10.0 ES	S	12-20-11 10:15	10 - 10 ft	433948-001
Comp-11.0 ES	S	12-20-11 10:25	7 - 7 ft	433948-002





Client Name: Yates Petroleum Corporation Project Name: Humidor BMJ State Com. #1



 Project ID:
 30-015-32889
 Report Date:
 28-DEC-11

 Work Order Number:
 433948
 Date Received:
 12/22/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 433948

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-32889 Contact: Robert Asher

Project Location: Eddy County

Project Name: Humidor BMJ State Com. #1

Date Received in Lab: Thu Dec-22-11 12:25 pm

Report Date: 28-DEC-11

Project Manager: Brent Barron II

				Project Manager. Brent Barton II
	Lab Id:	433948-001	433948-002	
Analysis Requested	Field Id:	Comp-10 0 ES	Comp-11.0 ES	
Analysis Requesieu	Depth:	10-10 ft	7-7 ft	
	Matrix:	SOIL	SOIL	
	Sampled:	Dec-20-11 10:15	Dec-20-11 10:25	
Anions by E300	Extracted:			
	Analyzed:	Dec-23-11 08:00	Dec-23-11 08·00	
	Units/RL:	mg/kg RL	mg/kg RL	
Chloride		6300 99.5	936 9.26	
Percent Moisture	Extracted:			
	Analyzed:	Dec-22-11 16·30	Dec-22-11 16:30	
	Units/RL:	% RL	% RL	
Percent Moisture		15.6 1.00	9.33 1.00	

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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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.
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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.
- * Surrogate recovered outside laboratory control limit.
- 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. ^ NELAC or State program does not offer Accreditation at this time.

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Environmental Lab of Texas

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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															-	Pro	oject	Nar	ne:	Hu	mi	do	r Bl	MJ	Sta	te	Co	<u>n. ‡</u>	‡1		_
	Company Name	Yates Petrole	um Corporat	ion															Pr	ojec	t #:_	30-	015	-32	889								_
	Company Address:	105 South 4th	Street				· · · · · · · · · · · · · · · · · · ·										_	F	roje	ct L	oc:	Edd	у Со	unty	<u>/</u>								
	City/State/Zip:	Artesia, NM	88210														_			PC) #: __	105	632										
	Telephone No:	575-748-4217	7				Fax No:		575	5-74	8-46	62					R	epor	t For	rmat	: [x	Stan	ndaro	±.	Г	□ TF	RP			NPDE	ES	
	Sampler Signature:	Q	Jac (e-mail:		bc	ba	<u>@</u> y	ate	sp	etro	oleu	m.c	<u>om</u>	_	_					Δn	alyze	FO					 -	_	
(lab use																							LP		T	Ĭ	丁	Т	Τ	П	┪.	I	
ORDEF	a# +2th 43	3948	İ							_	Prese	rvatio	n & #	of C	ontaine	ers	Ma	atrix	5B			ТОТ	-+	- Se	\dashv	+,	_				2	<u>.</u>	
LAB # (lab use only)		_D CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	lce	HNO ₃	HCI	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃ None	Other (Specify)		GW = Groundwater 5=Sou/Solid NP=Non-Potable Specify Other	TPH 4181 8015M 8015B	TX 1005		Anions (Cl, SO4, Alkalinity)		s Ag Ba Cd Cr Pb Hg	Volatiles	Semivolatiles	BIEX 8021B/5030 of BIEX 8260 RCI	NORM	Chlorides		RUSH TAT (Pre-Schedule)24,48,72 hrs		Standard TAT
	Comp	p-10.0 ES		10'	10'	12/20/2011	10:15 AM								×			s											х				Х
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XENCO Laboratories

Petroleum

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

Date/Time: 12-22 11 12-25				
Lab ID#: 433948				
Initials:				
Sample Receipt Chec	klist			
1i 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?	∠Y 9€	No ·		
11. Samples in proper container / bottle?	⊘Y ®€	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≱ufficient hold time?	Ves	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.	
ibs 8.5°c lbs °c ibs	°C lbs	°C	lbs	°C
Nonconformance Docum	entation			
		Data (Time)		
Contacted by:		Date/Time:_		
Regarding: _				
Corrective Action Taken:				
Concerts Addon Taken.		· · · · · · · · · · · · · · · · · · ·		
				
	···			
34 4 34				
Check all that apply: ☐ Cooling process has begun shortly after samplic condition acceptable by NELAC 5.5.8.3.1.a		ut of tempera	ature	
□ Initial and Backup Temperature confirm out of te		ditions		

☐ Client understands and would like to proceed with analysis