

MARTIN YATES, III

1912-1985

FRANK W. YATES

1936-1986

S.P. YATES

1914-2008



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

JOHN A. YATES  
CHAIRMAN OF THE BOARD

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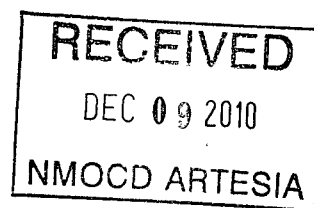
JAMES S. BROWN  
CHIEF OPERATING OFFICER

JOHN D. PERINI  
CHIEF FINANCIAL OFFICER

December 9, 2010

Mr. Mike Bratcher  
NMOCD District II  
1301 West Grand  
Artesia, NM 88210

Re: Skuzie XL Com. #1  
2RP-488  
30-015-20922  
Section 11, T18S-R25E  
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 June 30, 2010 (56 B/O released with 0 B/O recovered). A C-141 Initial Report was submitted to your office on 7/7/2010. Initial samples were taken on 7/21/2010 and were above limits (TPH <5000 PPM & BTEX <50 PPM) for the site ranking of 0 (chlorides were analyzed and below 100 PPM, no further chloride samples were taken). Vertical and horizontal delineation samples to a depth of twenty (20) feet were taken on 9/14/2010 and sent to an OCD approved laboratory but were still above limits (TPH <5000 PPM & BTEX <50 PPM). On August 20, 2010 Yates contracted Safety and Environmental Solutions, Inc. to drill sample at the release site (samples were taken starting at a depth of 25' and continued to pull samples every five feet to a total depth of fifty (50) feet. These samples were sent to an NMOCD approved laboratory. Based on all sampling information the NMOCD required Yates to excavate the impacted soils to a depth of twenty (20) feet, these soils were taken to an OCD approved facility (total excavation area is approximately 12' wide X 15' long X 20' deep). Vertical and horizontal delineation samples were not required by the NMOCD per 12/2/2010 meeting. Impacted soils have been removed to a depth of 20' (12/7/2010). Enclosed are the analytical reports and sample diagram. There is currently an open excavation, it is fenced but still poses a threat to livestock, human health, Yates Petroleum Corporation requests closure based on the impacted soils excavated/removed, analytical results and current open excavation risks.

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

Thank you.

YATES PETROLEUM CORPORATION

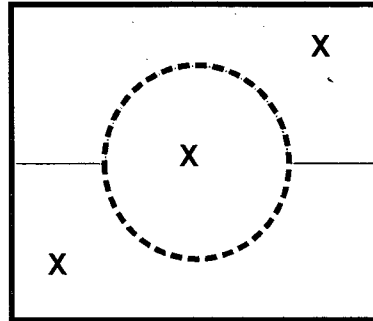
Robert Asher  
Environmental Regulatory Agent

/rca  
Enclosure(s)



Well Head

Battery



Lease Road



Skuzie XL Com. #1

30-015-20922

Section 11, T18S-R25E

Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)

Prepared by Robert Asher  
Environmental Regulatory Agent

Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Tank Bottom	7/21/2010	Composite/Backhoe	3'	112.04	943	1350	2293	39.4
Tank Bottom	7/21/2010	Composite/Backhoe	6'	367.2	5680	7980	13660	97.8
Tank Bottom	7/21/2010	Composite/Backhoe	9'	383.5	3400	4760	8160	77.4
North/East Side	7/21/2010	Composite/Backhoe	3'	50.28	456	1020	1476	46
North/East Side	7/21/2010	Composite/Backhoe	6'	0.0028	ND	ND	ND	ND
North/East Side	7/21/2010	Composite/Backhoe	9'	ND	ND	ND	ND	ND
West/South Side	7/21/2010	Composite/Backhoe	3'	ND	ND	ND	0	5.57
West/South Side	7/21/2010	Composite/Backhoe	6'	ND	ND	ND	0	ND
West/South Side	7/21/2010	Composite/Backhoe	9'	ND	ND	ND	ND	ND
Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Tank Bottom	9/14/2010	Composite/Backhoe	10'	114.67	2120	1230	3350	
Tank Bottom	9/14/2010	Composite/Backhoe	12'	368.7	8950	4710	13660	
Tank Bottom	9/14/2010	Composite/Backhoe	14'	299.0	6910	3910	10820	
Tank Bottom	9/14/2010	Composite/Backhoe	16'	201.30	5650	3150	8800	
Tank Bottom	9/14/2010	Composite/Backhoe	18'	193.6	5170	3410	8580	
Tank Bottom	9/14/2010	Composite/Backhoe	20'	147.4	4150	2650	6800	
Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Tank Bottom	10/20/2010	Drilled	25-26'	64.70	1010	471	1481	
Tank Bottom	10/20/2010	Drilled	30-31'	68.4	530	202	732	
Tank Bottom	10/20/2010	Drilled	34-35'	69.1	1350	516	1866	
Tank Bottom	10/20/2010	Drilled	39-40'	17.90	562	313	875	
Tank Bottom	10/20/2010	Drilled	44-45'	9.3	278	194	472	
Tank Bottom	10/20/2010	Drilled	48-50'	52.2	323	172	495	

**Site Ranking is Zero (0).** Depth to Ground Water >100' (approx. 168', per New Mexico State Engineer Office).

All results are ppm.

October 28, 2010

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: YAT-10-002

Enclosed are the results of analyses for samples received by the laboratory on 10/21/10 16:30.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 10/21/2010  
Reported: 10/28/2010  
Project Name: YAT-10-002  
Project Number: SKUZIE XL COM #1  
Project Location: S. ARTESIA

Sampling Date: 10/20/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: BH - 1, 25 - 26' (H021118-01)**
**BTEX 8260B**
**mg/kg**
**Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.287</b>	1.00	10/27/2010	ND	1.00	100	1.00		J
<b>Toluene*</b>	<b>7.41</b>	1.00	10/27/2010	ND	0.970	97.0	1.00		
<b>Ethylbenzene*</b>	<b>6.88</b>	1.00	10/27/2010	ND	1.04	104	1.00		
<b>m+p - Xylene</b>	<b>51.8</b>	2.00	10/27/2010	0.030	2.07	103	2.00		
<b>o-Xylene</b>	<b>12.9</b>	1.00	10/27/2010	ND	1.02	102	1.00		
<b>Total Xylenes*</b>	<b>64.7</b>	1.00	10/27/2010	ND	3.09	103	3.00		

*Surrogate: Dibromofluoromethane*

89.4 %

80-120

*Surrogate: Toluene-d8*

92.8 %

80-120

*Surrogate: 4-Bromofluorobenzene*

98.8 %

80-120

**TPH 8015M**
**mg/kg**
**Analyzed By: AB**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>1010</b>	10.0	10/22/2010	ND	211	105	200	6.63	
<b>DRO &gt;C10-C28</b>	<b>471</b>	10.0	10/22/2010	ND	180	90.2	200	5.39	

*Surrogate: 1-Chlorooctane*

119 %

70-130

*Surrogate: 1-Chlorooctadecane*

94.3 %

70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

 Received: 10/21/2010  
 Reported: 10/28/2010  
 Project Name: YAT-10-002  
 Project Number: SKUZIE XL COM #1  
 Project Location: S. ARTESIA

 Sampling Date: 10/20/2010  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BH - 1, 30 - 31' (H021118-02)**

BTEX 8260B

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	10/27/2010	ND	1.00	100	1.00		
Toluene*	8.34	1.00	10/27/2010	ND	0.970	97.0	1.00		
Ethylbenzene*	7.04	1.00	10/27/2010	ND	1.04	104	1.00		
m+p - Xylene	55.4	2.00	10/27/2010	0.030	2.07	103	2.00		
o-Xylene	13.0	1.00	10/27/2010	ND	1.02	102	1.00		
Total Xylenes*	68.4	1.00	10/27/2010	ND	3.09	103	3.00		

Surrogate: Dibromofluoromethane

91.1 %

80-120

Surrogate: Toluene-d8

94.6 %

80-120

Surrogate: 4-Bromofluorobenzene

95.0 %

80-120

TPH 8015M

mg/kg

Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	530	10.0	10/22/2010	ND	211	105	200	6.63	
DRO >C10-C28	202	10.0	10/22/2010	ND	180	90.2	200	5.39	

Surrogate: 1-Chlorooctane

105 %

70-130

Surrogate: 1-Chlorooctadecane

91.4 %

70-130

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 10/21/2010  
Reported: 10/28/2010  
Project Name: YAT-10-002  
Project Number: SKUZIE XL COM #1  
Project Location: S. ARTESIA

Sampling Date: 10/20/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: BH - 1, 34 - 35' (H021118-03)**
**BTEX 8260B**
**mg/kg**
**Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.165</b>	1.00	10/27/2010	ND	1.00	100	1.00		J
<b>Toluene*</b>	<b>9.78</b>	1.00	10/27/2010	ND	0.970	97.0	1.00		
<b>Ethylbenzene*</b>	<b>7.31</b>	1.00	10/27/2010	ND	1.04	104	1.00		
<b>m+p - Xylene</b>	<b>56.1</b>	2.00	10/27/2010	0.030	2.07	103	2.00		
<b>o-Xylene</b>	<b>13.0</b>	1.00	10/27/2010	ND	1.02	102	1.00		
<b>Total Xylenes*</b>	<b>69.1</b>	1.00	10/27/2010	ND	3.09	103	3.00		

Surrogate: Dibromofluoromethane 89.0 % 80-120

Surrogate: Toluene-d8 94.5 % 80-120

Surrogate: 4-Bromofluorobenzene 94.9 % 80-120

**TPH 8015M**
**mg/kg**
**Analyzed By: AB**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>1350</b>	10.0	10/22/2010	ND	211	105	200	6.63	
<b>DRO &gt;C10-C28</b>	<b>516</b>	10.0	10/22/2010	ND	180	90.2	200	5.39	

Surrogate: 1-Chlorooctane 118 % 70-130

Surrogate: 1-Chlorooctadecane 91.0 % 70-130

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 10/21/2010  
Reported: 10/28/2010  
Project Name: YAT-10-002  
Project Number: SKUZIE XL COM #1  
Project Location: S. ARTESIA

Sampling Date: 10/20/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

### Sample ID: BH - 1, 39 - 40' (H021118-04)

BTEX 8260B

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/27/2010	ND	1.00	100	1.00		
Toluene*	1.19	0.200	10/27/2010	ND	0.970	97.0	1.00		
Ethylbenzene*	1.71	0.200	10/27/2010	ND	1.04	104	1.00		
m+p - Xylene	14.3	0.400	10/27/2010	0.030	2.07	103	2.00		
o-Xylene	3.54	0.200	10/27/2010	ND	1.02	102	1.00		
Total Xylenes*	17.9	0.200	10/27/2010	ND	3.09	103	3.00		

Surrogate: Dibromofluoromethane 87.7 % 80-120

Surrogate: Toluene-d8 97.3 % 80-120

Surrogate: 4-Bromofluorobenzene 90.6 % 80-120

TPH 8015M

mg/kg

Analyzed By: AB

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	562	10.0	10/22/2010	ND	211	105	200	6.63	
DRO >C10-C28	313	10.0	10/22/2010	ND	180	90.2	200	5.39	

Surrogate: 1-Chlorooctane 104 % 70-130

Surrogate: 1-Chlorooctadecane 88.1 % 70-130

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Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 10/21/2010  
Reported: 10/28/2010  
Project Name: YAT-10-002  
Project Number: SKUZIE XL COM #1  
Project Location: S. ARTESIA

Sampling Date: 10/20/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

### Sample ID: BH - 1, 44 - 45' (H021118-05)

BTEX 8260B		mg/kg	Analyzed By: CMS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/27/2010	ND	1.00	100	1.00		
Toluene*	0.887	0.100	10/27/2010	ND	0.970	97.0	1.00		
Ethylbenzene*	0.903	0.100	10/27/2010	ND	1.04	104	1.00		
m+p - Xylene	7.39	0.200	10/27/2010	0.030	2.07	103	2.00		
o-Xylene	1.86	0.100	10/27/2010	ND	1.02	102	1.00		
Total Xylenes*	9.25	0.100	10/27/2010	ND	3.09	103	3.00		

Surrogate: Dibromofluoromethane 61.6 % 80-120

Surrogate: Toluene-d8 110 % 80-120

Surrogate: 4-Bromofluorobenzene 101 % 80-120

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	278	10.0	10/22/2010	ND	211	105	200	6.63	
DRO >C10-C28	194	10.0	10/22/2010	ND	180	90.2	200	5.39	

Surrogate: 1-Chlorooctane 108 % 70-130

Surrogate: 1-Chlorooctadecane 95.9 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 10/21/2010  
Reported: 10/28/2010  
Project Name: YAT-10-002  
Project Number: SKUZIE XL COM #1  
Project Location: S. ARTESIA

Sampling Date: 10/20/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: BH - 1, 48 - 50' (H021118-06)**
**BTEX 8260B**
**mg/kg**
**Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	10/27/2010	ND	1.00	100	1.00		
Toluene*	5.41	1.00	10/27/2010	ND	0.970	97.0	1.00		
Ethylbenzene*	5.17	1.00	10/27/2010	ND	1.04	104	1.00		
m+p - Xylene	41.4	2.00	10/27/2010	0.030	2.07	103	2.00		
o-Xylene	10.8	1.00	10/27/2010	ND	1.02	102	1.00		
Total Xylenes*	52.2	1.00	10/27/2010	ND	3.09	103	3.00		

Surrogate: Dibromofluoromethane 92.1 % 80-120

Surrogate: Toluene-d8 93.1 % 80-120

Surrogate: 4-Bromofluorobenzene 96.3 % 80-120

**TPH 8015M**
**mg/kg**
**Analyzed By: AB**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	323	10.0	10/22/2010	ND	211	105	200	6.63	
DRO >C10-C28	172	10.0	10/22/2010	ND	180	90.2	200	5.39	

Surrogate: 1-Chlorooctane 104 % 70-130

Surrogate: 1-Chlorooctadecane 96.7 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240

(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: SAFETY & ENVIRONMENTAL SOLUTIONS				BILL TO				ANALYSIS REQUEST			
Project Manager:				P.O. #:							
Address: 703 E. CLINTON, #102				Company: SAME							
City: HOBBS		State: NM Zip: 88240		Attn: <i>Ben Miller</i>							
Phone #: (505) 397-0510		Fax #: (505) 393-4388		Address:							
Project #: <i>YAT-10-002</i>		Project Owner: <i>YAT-10-002</i>		City:							
Project Name: <i>Skutumpah XL Cdn #1</i>				State: Zip:							
Project Location: <i>S. Artesia</i>				Phone #:							
Sampler Name: <i>D. Boyer</i>				Fax #:							

Lab I.D.	Sample I.D.	GRAB OR (COMP.)	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	BTX	PH (7-10)	DRC (80-15)	GRO (80-15)	PH (80-15)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER								
H21118-1	BH-1, 25-36'		1			X					X			10/20	1115	X	X	X	X	X
2	" 30-31'		1												1210	X	X	X	X	X
3	" 24-35'		1												1235	X	X	X	X	X
4	" <del>25-37'</del> 31-40'		1												1315	X	X	X	X	X
5	" 44-45'		1												1415	X	X	X	X	X
6	BH-1, 48-50'		2			X					X			1730	1495	X	X	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claims are based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: <i>2010</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>DK Boyer</i>	Time: <i>1600</i>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Relinquished By:	Date: <i>10/21/10</i>	Received By: (Lab Staff)	REMARKS:
	Time: <i>16:30</i>	<i>Jodi Jensen</i>	<i>PO 415-1 BTX as per Bob Miller email</i>
Delivered By: (Circle One)	Sample Condition	Temp, °C	Checked By: (Initials)
Sampler - UPS - Bus - Other:	<i>6°C</i>	<i>Intact?</i>	<i>JH</i>
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

† Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020.

# Analytical Report 389881

for  
Yates Petroleum Corporation

Project Manager: Robert Asher

Skuzie XL Com. #1

30-015-20922

21-SEP-10



**Celebrating 20 Years of commitment to excellence in Environmental Testing Services**



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Xenco-Houston (EPA Lab code: TX00122):

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

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)  
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



21-SEP-10

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

Reference: XENCO Report No: **389881**  
**Skuzie XL 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 389881. 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. 389881 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 389881



Yates Petroleum Corporation, Artesia, NM

Skuzie XL Com. #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-10.0 T	S	Sep-14-10 09:15	10 - 10 ft	389881-001
Comp-12.0 T	S	Sep-14-10 09:20	12 - 12 ft	389881-002
Comp-14.0 T	S	Sep-14-10 09:25	14 - 14 ft	389881-003
Comp-16.0 T	S	Sep-14-10 09:30	16 - 16 ft	389881-004
Comp-18.0 T	S	Sep-14-10 09:35	18 - 18 ft	389881-005
Comp-20.0 T	S	Sep-14-10 09:40	20 - 20 ft	389881-006



## CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Skuzie XL Com. #1



Project ID: 30-015-20922

Work Order Number: 389881

Report Date: 21-SEP-10

Date Received: 09/15/2010

### Sample receipt non conformances and Comments:

None

### Sample receipt Non Conformances and Comments per Sample:

None

#### Analytical Non Conformances and Comments:

Batch: LBA-823246 TPH by SW 8015B

None

Batch: LBA-823266 Percent Moisture

None

Batch: LBA-823918 BTEX by EPA 8021  
SW8021BM

Batch 823918, Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix  
Spike Duplicate.

Samples affected are: 389881-001, -002, -006, -005, -004, -003.

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

SW8021BM

Batch 823918, 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is  
suspected; data confirmed by re-analysis

Samples affected are: 389881-004, 389881-002, 389881-003.

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

Samples affected are: 389403-001 S, 389403-001 SD, 389881-002, 389881-006, 389881-  
003, 389881-004, 389881-005, 389881-001.

SW8021BM

Batch 823918, o-Xylene RPD was outside QC limits.

Samples affected are: 389881-001, -002, -006, -005, -004, -003





# Certificate of Analysis Summary 389881

Yates Petroleum Corporation, Artesia, NM

Project Name: Skuzie XL Com. #1



Project Id: 30-015-20922

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Wed Sep-15-10 10:00 am


Report Date: 21-SEP-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	389881-001	389881-002	389881-003	389881-004	389881-005	389881-006
	Field Id:	Comp-10.0 T	Comp-12.0 T	Comp-14.0 T	Comp-16.0 T	Comp-18.0 T	Comp-20.0 T
	Depth:	10-10 ft	12-12 ft	14-14 ft	16-16 ft	18-18 ft	20-20 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Sep-14-10 09:15	Sep-14-10 09:20	Sep-14-10 09:25	Sep-14-10 09:30	Sep-14-10 09:35	Sep-14-10 09:40
BTEX by EPA 8021	Extracted:	Sep-20-10 14:30	Sep-20-10 14:30	Sep-20-10 14:30	Sep-20-10 14:30	Sep-20-10 14:30	Sep-20-10 14:30
	Analyzed:	Sep-20-10 18:26	Sep-20-10 18:47	Sep-20-10 19:09	Sep-20-10 19:29	Sep-20-10 19:50	Sep-20-10 20:11
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		ND 0.5828	ND 0.5959	ND 0.5794	ND 0.5675	ND 0.5787	ND 0.5663
Toluene		3.048 1.166	14.80 1.192	14.00 1.159	6.498 1.135	4.896 1.157	2.945 1.133
Ethylbenzene		5.221 0.5828	20.05 0.5959	12.67 0.5794	8.235 0.5675	8.877 0.5787	7.520 0.5663
m,p-Xylenes		87.62 1.166	269.1 1.192	220.9 1.159	152.6 1.135	146.3 1.157	111.3 1.133
o-Xylene		18.78 0.5828	64.70 0.5959	51.47 0.5794	34.01 0.5675	33.49 0.5787	25.62 0.5663
Xylenes, Total		106.40 0.5828	333.8 0.5959	272.4 0.5794	186.6 0.5675	179.8 0.5787	136.9 0.5663
Total BTEX		114.67 0.5828	368.7 0.5959	299.0 0.5794	201.3 0.5675	193.6 0.5787	147.4 0.5663
Percent Moisture	Extracted:	Sep-16-10 09:00	Sep-16-10 09:00	Sep-16-10 09:00	Sep-16-10 09:00	Sep-16-10 09:00	Sep-16-10 09:00
	Analyzed:	Sep-16-10 09:00	Sep-16-10 09:00	Sep-16-10 09:00	Sep-16-10 09:00	Sep-16-10 09:00	Sep-16-10 09:00
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		14.3 1.00	16.1 1.00	13.7 1.00	11.9 1.00	13.6 1.00	11.7 1.00
TPH by SW 8015B	Extracted:	Sep-15-10 13:45	Sep-15-10 13:45	Sep-15-10 13:45	Sep-15-10 13:45	Sep-15-10 13:45	Sep-15-10 13:45
	Analyzed:	Sep-15-10 17:39	Sep-16-10 10:48	Sep-16-10 11:19	Sep-15-10 19:11	Sep-15-10 19:43	Sep-15-10 20:13
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C10 Gasoline Range Hydrocarbons		2120 17.4	8950 89.4	6910 86.6	5650 17.0	5170 17.3	4150 16.9
C10-C28 Diesel Range Hydrocarbons		1230 17.4	4710 89.4	3910 86.6	3150 17.0	3410 17.3	2650 16.9
Total TPH		3350 17.4	13660 89.4	10820 86.6	8800 17.0	8580 17.3	6800 16.9

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

**BRL** Below Reporting Limit.

**RL** Reporting Limit

**MDL** Method Detection Limit

**PQL** Practical Quantitation Limit

\* Outside XENCO's scope of NELAC Accreditation.

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(361) 884-0371	(361) 884-9116

# Environmental Lab of Texas

A Xenco Laboratories Company

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

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

Project Manager: Robert Asher

Project Name: Skuzie XL Com. #1

Company Name: Yates Petroleum Corporation

Project #: 30-015-20922

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: *[Signature]*

e-mail: boba@yatespetroleum.com

(lab use only)

ORDER #:

389881

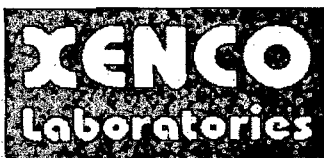
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Special Instructions: TPH 8015M & BTEX 8021B. ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Asher <i>[Signature]</i>	09/14/10	3:06 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
FedEx			<i>[Signature]</i>	09-15-10	1000

### Laboratory Comments:

Sample Containers Intact? ☒ N  
 VOCs Free of Headspace? ☒ N  
 Labels on containers? ☒ N  
 Custody seals on container(s)? ☒ N  
 Custody seals on container(s)? ☒ N  
 Sample Hand Delivered by Sampler/Client Rep.? ☒ N  
 by Courier? ☒ Y N  
 UPS DHL ☒ FedEx Lone Star  
 Temperature Upon Receipt: 5.1 °C



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

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

### Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum  
Date/Time: 09-15-10 @ 1000  
Lab ID #: 389881  
Initials: JMF / WRU

#### Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 5.1 °C	lbs °C	lbs °C	lbs °C	lbs °C

#### Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

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

# Analytical Report 382766

for

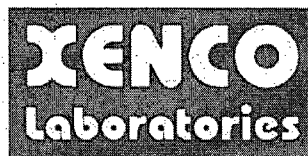
## Yates Petroleum Corporation

Project Manager: Robert Asher

Skuzie XL Com. # 1

30-015-26091

30-JUL-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

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

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)



30-JUL-10

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

Reference: XENCO Report No: **382766**  
**Skuzie XL 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 382766. 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. 382766 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 382766



Yates Petroleum Corporation, Artesia, NM

Skuzie XL Com. # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-03.0-T	S	Jul-21-10 10:00	2 - 2 ft	382766-001
Comp-06.0-T	S	Jul-21-10 10:05	4 - 4 ft	382766-002
Comp-09.0-T	S	Jul-21-10 10:10	2 - 2 ft	382766-003
Comp-03.0-N	S	Jul-21-10 10:20	4 - 4 ft	382766-004
Comp-06.0-N	S	Jul-21-10 10:25	6 - 6 ft	382766-005
Comp-09.0-N	S	Jul-21-10 10:30	8 - 8 ft	382766-006
Comp-03.0-W	S	Jul-21-10 10:40	4 - 4 ft	382766-007
Comp-06.0-W	S	Jul-21-10 10:45	6 - 6 ft	382766-008
Comp-09.0-W	S	Jul-21-10 10:50	8 - 8 ft	382766-009



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Skuzie XL Com. # 1*



*Project ID: 30-015-26091*

*Work Order Number: 382766*

*Report Date: 30-JUL-10*

*Date Received: 07/23/2010*

---

**Sample receipt non conformances and Comments:**

None

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**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**

Batch: LBA-816016 Percent Moisture

None

Batch: LBA-816026 Percent Moisture

None

Batch: LBA-816151 Anions in Soil By EPA 300.0

E300MI

Batch 816151, Chloride RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 382766-002, -007, -003, -005, -009, -004, -006, -008, -001.

E300MI

Batch 816151, Chloride recovered above QC limits in the Matrix Spike.

Samples affected are: 382766-002, -007, -003, -005, -009, -004, -006, -008, -001.





# Certificate of Analysis Summary 382766

Yates Petroleum Corporation, Artesia, NM

Project Name: Skuzie XL Com. # 1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Jul-23-10 10:10 am


Report Date: 30-JUL-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	382766-001	382766-002	382766-003	382766-004	382766-005	382766-006
	<i>Field Id:</i>	Comp-03.0-T	Comp-06.0-T	Comp-09.0-T	Comp-03.0-N	Comp-06.0-N	Comp-09.0-N
	<i>Depth:</i>	2-2 ft	4-4 ft	2-2 ft	4-4 ft	6-6 ft	8-8 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jul-21-10 10:00	Jul-21-10 10:05	Jul-21-10 10:10	Jul-21-10 10:20	Jul-21-10 10:25	Jul-21-10 10:30
Anions in Soil By EPA 300.0	<i>Extracted:</i>	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00
	<i>Analyzed:</i>	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		39.4 4.93	97.8 10.0	77.4 5.07	46.0 4.87	ND 5.02	ND 4.87
Percent Moisture	<i>Extracted:</i>	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00
	<i>Analyzed:</i>	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		14.8 1.00	16.2 1.00	17.2 1.00	13.8 1.00	16.3 1.00	13.7 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



# Certificate of Analysis Summary 382766

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Eddy County

Project Name: Skuzie XL Com. # 1

Date Received in Lab: Fri Jul-23-10 10:10 am

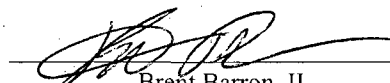
Report Date: 30-JUL-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	382766-007	382766-008	382766-009			
	<i>Field Id:</i>	Comp-03.0-W	Comp-06.0-W	Comp-09.0-W			
	<i>Depth:</i>	4-4 ft	6-6 ft	8-8 ft			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Jul-21-10 10:40	Jul-21-10 10:45	Jul-21-10 10:50			
Anions in Soil By EPA 300.0	<i>Extracted:</i>	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00			
	<i>Analyzed:</i>	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		5.57 4.81	ND 4.90	ND 4.86			
Percent Moisture	<i>Extracted:</i>	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00			
	<i>Analyzed:</i>	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00			
	<i>Units/RL:</i>	% RL	% RL	% RL			
Percent Moisture		12.7 1.00	14.3 1.00	13.5 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 effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

**MDL** Method Detection Limit

**PQL** Practical Quantitation Limit

\* Outside XENCO's scope of NELAC Accreditation.

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5332 Blackberry Drive, San Antonio TX 78238  
2505 North Falkenburg Rd, Tampa, FL 33619  
5757 NW 158th St, Miami Lakes, FL 33014  
12600 West I-20 East, Odessa, TX 79765  
842 Cantwell Lane, Corpus Christi, TX 78408

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

# XENCO-Environmental Lab of Texas

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765

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

Project Manager: Robert Asher Cooler #

Project Name: Skuzie XL Com. #1

Company Name Yates Petroleum Corporation

Project #: 30-015-26091

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

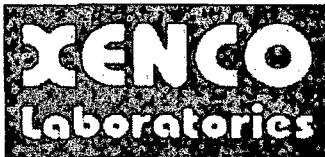
Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: *Robert Asher*

e-mail: boba@yatespetroleum.com

LAB # (lab use only)		Analyze For:	
ORDER #: 382765/382766		TCLP: TOTAL:	
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth
01	Comp-03.0-T	2'	2'
02	Comp-06.0-T	4'	4'
03	Comp-09.0-T	2'	2'
04	Comp-03.0-N	4'	4'
05	Comp-06.0-N	6'	6'
06	Comp-09.0-N	8'	8'
07	Comp-03.0-W	4'	4'
08	Comp-06.0-W	6'	6'
09	Comp-09.0-W	8'	8'
PLEASE PUT CHLORIDES ON SEPARATE REPORT			
Special Instructions: TPH: 8015B, BTEX: 8021B & Chlorides. Please show ALL results as mg/kg. Thank you.			
Relinquished by: Robert Asher <i>Real type</i>		Date: 07/22/10	Time: 11:22 AM
Relinquished by:		Date:	Time:
Relinquished by: FedEx		Date:	Time:
Received by: <i>Antonio Garcia</i>		Date: 7/23/10	Time: 10:10
Received by:		Date:	Time:
Received by:		Date:	Time:
Laboratory Comments:		<input checked="" type="checkbox"/> Sample Containers Labeled? <input checked="" type="checkbox"/> VOCs Free of Headspace? <input checked="" type="checkbox"/> Labels on containers? <input checked="" type="checkbox"/> Custody seals on container(s)? <input checked="" type="checkbox"/> Custody seals on coolers? <input checked="" type="checkbox"/> Sample Hand Delivered by Sampler/Client Rep.? <input checked="" type="checkbox"/> by Courier? UPS DHL <input checked="" type="checkbox"/> FedEx <input checked="" type="checkbox"/> Lone Star Temperature Upon Receipt: 2.1 °C	



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

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

### Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum  
Date/Time: 7-23-10 10:10  
Lab ID #: 382765/382766  
Initials: IG / AL

#### Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>2.1</u> °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 382765

for

## Yates Petroleum Corporation

Project Manager: Robert Asher

Skuzie XL Com. # 1

30-015-26091

30-JUL-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

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

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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)

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Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)



30-JUL-10

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

Reference: XENCO Report No: **382765**  
**Skuzie XL 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 382765. 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. 382765 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 382765

Yates Petroleum Corporation, Artesia, NM

Skuzie XL Com. # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-03.0-T	S	Jul-21-10 10:00	2 - 2 ft	382765-001
Comp-06.0-T	S	Jul-21-10 10:05	4 - 4 ft	382765-002
Comp-09.0-T	S	Jul-21-10 10:10	2 - 2 ft	382765-003
Comp-03.0-N	S	Jul-21-10 10:20	4 - 4 ft	382765-004
Comp-06.0-N	S	Jul-21-10 10:25	6 - 6 ft	382765-005
Comp-09.0-N	S	Jul-21-10 10:30	8 - 8 ft	382765-006
Comp-03.0-W	S	Jul-21-10 10:40	4 - 4 ft	382765-007
Comp-06.0-W	S	Jul-21-10 10:45	6 - 6 ft	382765-008
Comp-09.0-W	S	Jul-21-10 10:50	8 - 8 ft	382765-009





## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Skuzie XL Com. # 1*



*Project ID: 30-015-26091*

*Work Order Number: 382765*

*Report Date: 30-JUL-10*

*Date Received: 07/23/2010*

---

**Sample receipt non conformances and Comments:**

None

---

**Sample receipt Non Conformances and Comments per Sample:**

None

**Analytical Non Conformances and Comments:**

Batch: LBA-816016 Percent Moisture

None

Batch: LBA-816026 Percent Moisture

None

Batch: LBA-816045 TPH by SW 8015B

None

Batch: LBA-816669 BTEX by EPA 8021

SW8021BM

Batch 816669, Benzene recovered below QC limits in the Matrix Spike, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 382765-009, -007, -008, -006.

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

Batch: LBA-816830 BTEX by EPA 8021

SW8021BM

Batch 816830, 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 382765-001, 382765-002, 382765-003, 382765-004.

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

Samples affected are: 382765-001, 382765-004, 382765-003, 382765-002.



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Skuzie XL Com. # 1*



*Project ID: 30-015-26091*  
*Work Order Number: 382765*

*Report Date: 30-JUL-10*  
*Date Received: 07/23/2010*

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*Batch: LBA-816838 BTEX by EPA 8021*  
*SW8021BM*

*Batch 816838, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis*  
*Samples affected are: 383211-004 D.*

*SW8021BM*

*Batch 816838, Ethylbenzene, m,p-Xylenes , o-Xylene RPD is outside the QC limit. This is most likely due to sample non-homogeneity.*  
*Samples affected are: 382765-005.*



# Certificate of Analysis Summary 382765

Yates Petroleum Corporation, Artesia, NM

Project Name: Skuzie XL Com. # 1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Jul-23-10 10:10 am


Report Date: 30-JUL-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	382765-001	382765-002	382765-003	382765-004	382765-005	382765-006
	Field Id:	Comp-03.0-T	Comp-06.0-T	Comp-09.0-T	Comp-03.0-N	Comp-06.0-N	Comp-09.0-N
	Depth:	2-2 ft	4-4 ft	2-2 ft	4-4 ft	6-6 ft	8-8 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Jul-21-10 10:00	Jul-21-10 10:05	Jul-21-10 10:10	Jul-21-10 10:20	Jul-21-10 10:25	Jul-21-10 10:30
BTEX by EPA 8021	Extracted:	Jul-28-10 14:55	Jul-28-10 14:55	Jul-28-10 14:55	Jul-28-10 14:55	Jul-29-10 15:00	Jul-24-10 15:45
	Analyzed:	Jul-29-10 12:20	Jul-29-10 13:04	Jul-29-10 13:27	Jul-29-10 13:49	Jul-29-10 18:45	Jul-28-10 10:29
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		ND 0.2347	ND 1.186	ND 1.196	ND 0.1149	ND 0.0012	ND 0.0012
Toluene		3.817 0.4695	17.21 2.372	20.38 2.392	1.723 0.2297	ND 0.0024	ND 0.0023
Ethylbenzene		8.146 0.2347	22.93 1.186	36.54 1.196	4.091 0.1149	ND 0.0012	ND 0.0012
m,p-Xylenes		73.33 0.4695	238.7 2.372	250.2 2.392	32.56 0.2297	0.0028 0.0024	ND 0.0023
o-Xylene		26.75 0.2347	88.35 1.186	76.34 1.196	11.91 0.1149	ND 0.0012	ND 0.0012
Xylenes, Total		100.08 0.2347	327.1 1.186	326.5 1.196	44.47 0.1149	0.0028 0.0012	ND 0.0012
Total BTEX		112.04 0.2347	367.2 1.186	383.5 1.196	50.28 0.1149	0.0028 0.0012	ND 0.0012
Percent Moisture	Extracted:	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00
	Analyzed:	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		14.8 1.00	16.2 1.00	17.2 1.00	13.8 1.00	16.3 1.00	13.7 1.00
TPH by SW 8015B	Extracted:	Jul-23-10 14:30	Jul-23-10 14:30	Jul-23-10 14:30	Jul-23-10 14:30	Jul-23-10 14:30	Jul-23-10 14:30
	Analyzed:	Jul-23-10 21:46	Jul-23-10 22:15	Jul-23-10 22:44	Jul-23-10 23:13	Jul-24-10 00:10	Jul-24-10 00:38
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C10 Gasoline Range Hydrocarbons		943 17.5	5680 89.1	3400 18.1	456 17.4	ND 17.8	ND 17.3
C10-C28 Diesel Range Hydrocarbons		1350 17.5	7980 89.1	4760 18.1	1020 17.4	ND 17.8	ND 17.3
Total TPH		2293 17.5	13660 89.1	8160 18.1	1476 17.4	ND 17.8	ND 17.3

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



# Certificate of Analysis Summary 382765

Yates Petroleum Corporation, Artesia, NM

Project Name: Skuzie XL Com. # 1



Project Id: 30-015-26091

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Jul-23-10 10:10 am


Report Date: 30-JUL-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	382765-007	382765-008	382765-009			
	Field Id:	Comp-03.0-W	Comp-06.0-W	Comp-09.0-W			
	Depth:	4-4 ft	6-6 ft	8-8 ft			
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	Jul-21-10 10:40	Jul-21-10 10:45	Jul-21-10 10:50			
BTEx by EPA 8021	Extracted:	Jul-24-10 15:45	Jul-24-10 15:45	Jul-24-10 15:45			
	Analyzed:	Jul-28-10 10:52	Jul-28-10 11:14	Jul-28-10 11:37			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		ND 0.0012	ND 0.0012	ND 0.0012			
Toluene		ND 0.0023	ND 0.0023	ND 0.0023			
Ethylbenzene		ND 0.0012	ND 0.0012	ND 0.0012			
m,p-Xylenes		ND 0.0023	ND 0.0023	ND 0.0023			
o-Xylene		ND 0.0012	ND 0.0012	ND 0.0012			
Xylenes, Total		ND 0.0012	ND 0.0012	ND 0.0012			
Total BTEx		ND 0.0012	ND 0.0012	ND 0.0012			
Percent Moisture	Extracted:	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00			
	Analyzed:	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00			
	Units/RL:	% RL	% RL	% RL			
Percent Moisture		12.7 1.00	14.3 1.00	13.5 1.00			
TPH by SW 8015B	Extracted:	Jul-23-10 14:30	Jul-23-10 14:30	Jul-23-10 14:30			
	Analyzed:	Jul-24-10 01:07	Jul-24-10 01:36	Jul-24-10 02:04			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C10 Gasoline Range Hydrocarbons		ND 17.1	ND 17.5	ND 17.3			
C10-C28 Diesel Range Hydrocarbons		ND 17.1	ND 17.5	ND 17.3			
Total TPH		ND 17.1	ND 17.5	ND 17.3			

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

**BRL** Below Reporting Limit.

**RL** Reporting Limit

**MDL** Method Detection Limit

**PQL** Practical Quantitation Limit

\* Outside XENCO's scope of NELAC Accreditation.

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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

### 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 Cooler #

Project Name: **Skuzie XL Com. #1**

Company Name Yates Petroleum Corporation

**Project #: 30-015-26091**

Company Address: 105 South 4th Street


**Project Loc:** Eddy County

City/State/Zip:     Artesia, NM 88210

**PO #: 105632**

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

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:  e-mail: [boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)

e-mail: [boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)

(lab use only)

**ORDER #:**

(lab use only)

ORDER #: 382765/382766

[illegible]



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

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

### Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum  
Date/Time: 7-23-10 10:10  
Lab ID #: 382765/382766  
Initials: IG / AL

#### Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>2.1</u> °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