

Analytical Report 374797

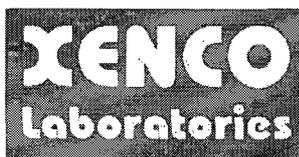
for

Yates Petroleum Corporation

Project Manager: Amanda Trujillo

Greasewood BD Battery

04-JUN-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

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

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



04-JUN-10

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

Reference: XENCO Report No: **374797**
Greasewood BD Battery
Project Address:

Amanda Trujillo:

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 374797. 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. 374797 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 374797



Yates Petroleum Corporation, Artesia, NM
Greasewood BD Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Greasewood Quad 1	S	May-27-10 11:00	6 In	374797-001
Greasewood Quad 2	S	May-27-10 11:00	6 In	374797-002
Greasewood Quad 3	S	May-27-10 11:00	6 In	374797-003
Greasewood Quad 4	S	May-27-10 11:00	6 In	374797-004



CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Greasewood BD Battery



Project ID:
Work Order Number: 374797

Report Date: 04-JUN-10
Date Received: 05/28/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-808636 Percent Moisture

None

Batch: LBA-808708 TPH by SW 8015B

None

Batch: LBA-808878 Inorganic Anions by EPA 300

None

Batch: LBA-809297 BTEX by EPA 8021

SW8021BM

Batch 809297, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 374797-004, -002, -003, -001.

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

SW8021BM

Batch 809297, 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 374797-004.



Certificate of Analysis Summary 374797

Yates Petroleum Corporation, Artesia, NM

Project Name: Greasewood BD Battery



Project Id:

Contact: Amanda Trujillo

Date Received in Lab: Fri May-28-10 09:55 am

Report Date: 04-JUN-10

Project Location:

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	374797-001	374797-002	374797-003	374797-004		
	<i>Field Id:</i>	Greasewood Quad 1	Greasewood Quad 2	Greasewood Quad 3	Greasewood Quad 4		
	<i>Depth:</i>	6- In	6- In	6- In	6- In		
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	May-27-10 11:00	May-27-10 11:00	May-27-10 11:00	May-27-10 11:00		
Anions in Soil By EPA 300.0	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jun-01-10 15:23	Jun-01-10 15:23	Jun-01-10 15:23	Jun-01-10 15:23		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		380 9.05	2440 44.1	3060 46.1	1570 47.6		
BTEX by EPA 8021	<i>Extracted:</i>	Jun-02-10 14:50	Jun-02-10 14:50	Jun-02-10 14:50	Jun-02-10 14:50		
	<i>Analyzed:</i>	Jun-04-10 07:19	Jun-04-10 07:41	Jun-04-10 08:04	Jun-04-10 08:27		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011		
Toluene		ND 0.0022	ND 0.0021	ND 0.0022	ND 0.0023		
Ethylbenzene		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011		
m,p-Xylenes		ND 0.0022	ND 0.0021	ND 0.0022	ND 0.0023		
o-Xylene		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011		
Xylenes, Total		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011		
Total BTEX		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011		
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	May-29-10 09:14	May-29-10 09:14	May-29-10 09:14	May-29-10 09:14		
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL		
Percent Moisture		7.16 1.00	4.85 1.00	8.88 1.00	11.7 1.00		
TPH by SW 8015B	<i>Extracted:</i>	May-28-10 12:45	May-28-10 12:45	May-28-10 12:45	May-28-10 12:45		
	<i>Analyzed:</i>	May-28-10 16:36	May-28-10 17:03	May-28-10 17:30	May-28-10 17:57		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
C6-C10 Gasoline Range Hydrocarbons		ND 16.1	ND 15.7	ND 16.5	ND 17.0		
C10-C28 Diesel Range Hydrocarbons		38.5 16.1	133 15.7	819 16.5	ND 17.0		
Total TPH		38.5 16.1	133 15.7	819 16.5	ND 17.0		

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

* Outside XENCO's scope of NELAC Accreditation.

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Form 2 - Surrogate Recoveries

Project Name: Greasewood BD Battery

Work Orders : 374797,

Project ID:

Lab Batch #: 809297

Sample: 564920-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/03/10 18:46

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0282	0.0300	94	80-120	

Lab Batch #: 809297

Sample: 564920-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/03/10 19:09

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0294	0.0300	98	80-120	
4-Bromofluorobenzene	0.0294	0.0300	98	80-120	

Lab Batch #: 809297

Sample: 564920-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/03/10 20:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0243	0.0300	81	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

Lab Batch #: 809297

Sample: 374797-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/04/10 07:19

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0241	0.0300	80	80-120	
4-Bromofluorobenzene	0.0304	0.0300	101	80-120	

Lab Batch #: 809297

Sample: 374797-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/04/10 07:41

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0241	0.0300	80	80-120	
4-Bromofluorobenzene	0.0283	0.0300	94	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Greasewood BD Battery

Work Orders : 374797,

Project ID:

Lab Batch #: 809297

Sample: 374797-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/04/10 08:04

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0244	0.0300	81	80-120	
4-Bromofluorobenzene	0.0278	0.0300	93	80-120	

Lab Batch #: 809297

Sample: 374797-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/04/10 08:27

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0238	0.0300	79	80-120	*
4-Bromofluorobenzene	0.0285	0.0300	95	80-120	

Lab Batch #: 809297

Sample: 375058-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/04/10 11:33

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0294	0.0300	98	80-120	

Lab Batch #: 809297

Sample: 375058-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/04/10 11:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0286	0.0300	95	80-120	

Lab Batch #: 808708

Sample: 564568-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/28/10 15:15

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.1	99.9	95	70-135	
o-Terphenyl	52.9	50.0	106	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Greasewood BD Battery

Work Orders : 374797,

Project ID:

Lab Batch #: 808708

Sample: 564568-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/28/10 15:42

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.2	99.9	94	70-135	
o-Terphenyl	53.1	50.0	106	70-135	

Lab Batch #: 808708

Sample: 564568-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/28/10 16:09

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.4	99.8	96	70-135	
o-Terphenyl	57.4	49.9	115	70-135	

Lab Batch #: 808708

Sample: 374797-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/28/10 16:36

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.3	99.5	98	70-135	
o-Terphenyl	58.3	49.8	117	70-135	

Lab Batch #: 808708

Sample: 374797-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/28/10 17:03

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	99.5	103	70-135	
o-Terphenyl	60.0	49.8	120	70-135	

Lab Batch #: 808708

Sample: 374797-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/28/10 17:30

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.1	100	99	70-135	
o-Terphenyl	58.7	50.0	117	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Greasewood BD Battery

Work Orders : 374797,

Project ID:

Lab Batch #: 808708

Sample: 374797-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/28/10 17:57

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.0	100	99	70-135	
o-Terphenyl	58.6	50.0	117	70-135	

Lab Batch #: 808708

Sample: 374802-005 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/28/10 22:27

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.0	100	98	70-135	
o-Terphenyl	55.2	50.0	110	70-135	

Lab Batch #: 808708

Sample: 374802-005 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/28/10 22:54

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	99.9	104	70-135	
o-Terphenyl	58.0	50.0	116	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: Greasewood BD Battery

Work Order #: 374797

Analyst: ASA

Lab Batch ID: 809297

Sample: 564920-1-BKS

Batch #: 1

Project ID:

Date Analyzed: 06/03/2010

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0994	99	0.1	0.0978	98	2	70-130	35	
Toluene	ND	0.1000	0.0980	98	0.1	0.0963	96	2	70-130	35	
Ethylbenzene	ND	0.1000	0.0995	100	0.1	0.0984	98	1	71-129	35	
m,p-Xylenes	ND	0.2000	0.1988	99	0.2	0.1970	99	1	70-135	35	
o-Xylene	ND	0.1000	0.0988	99	0.1	0.0989	99	0	71-133	35	

Analyst: LATCOR

Date Prepared: 06/01/2010

Date Analyzed: 06/01/2010

Lab Batch ID: 808878

Sample: 808878-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions in Soil By EPA 300.0	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	ND	10.0	9.28	93	10	9.57	96	3	75-125	20	

Relative Percent Difference RPD = $200 * [(C-F)/(C+F)]$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: Greasewood BD Battery

Work Order #: 374797

Analyst: BEV

Date Prepared: 05/28/2010

Project ID:

Date Analyzed: 05/28/2010

Lab Batch ID: 808708

Sample: 564568-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
C6-C10 Gasoline Range Hydrocarbons	ND	999	899	90	999	911	91	1	70-135	35	
C10-C28 Diesel Range Hydrocarbons	ND	999	737	74	999	867	87	16	70-135	35	

Relative Percent Difference RPD = $200 * [(C-F)/(C+F)]$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: Greasewood BD Battery

Work Order #: 374797

Lab Batch #: 808878

Date Analyzed: 06/01/2010

Date Prepared: 06/01/2010

Project ID:

Analyst: LATCOR

QC- Sample ID: 374802-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	69.1	226	289	97	75-125	

Matrix Spike Percent Recovery [D] = $100 \cdot (C-A) / B$
 Relative Percent Difference [E] = $200 \cdot (C-A) / (C+B)$
 All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries



Project Name: Greasewood BD Battery

Work Order #: 374797

Project ID:

Lab Batch ID: 809297

QC- Sample ID: 375058-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 06/04/2010

Date Prepared: 06/02/2010

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.0016	0.1206	0.0795	65	0.1206	0.0813	66	2	70-130	35	X
Toluene	ND	0.1206	0.0788	65	0.1206	0.0803	67	2	70-130	35	X
Ethylbenzene	ND	0.1206	0.0802	67	0.1206	0.0812	67	1	71-129	35	X
m,p-Xylenes	ND	0.2413	0.1594	66	0.2413	0.1615	67	1	70-135	35	X
o-Xylene	ND	0.1206	0.0783	65	0.1206	0.0797	66	2	71-133	35	X

Lab Batch ID: 808708

QC- Sample ID: 374802-005 S

Batch #: 1 Matrix: Soil

Date Analyzed: 05/28/2010

Date Prepared: 05/28/2010

Analyst: BEV

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	ND	1170	1060	91	1170	1110	95	5	70-135	35	
C10-C28 Diesel Range Hydrocarbons	ND	1170	962	82	1170	1010	86	5	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 * (C-A) / B$
Relative Percent Difference $RPD = 200 * |(C-F) / (C+F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F-A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Greasewood BD Battery

Work Order #: 374797

Lab Batch #: 808878
Date Analyzed: 06/01/2010
QC- Sample ID: 374802-001 D
Reporting Units: mg/kg

Project ID:
Date Prepared: 06/01/2010
Analyst: LATCOR
Batch #: 1
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions in Soil By EPA 300.0	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	69.1	67.3	3	20	

Lab Batch #: 808636
Date Analyzed: 05/29/2010
QC- Sample ID: 374778-001 D
Reporting Units: %

Date Prepared: 05/29/2010
Analyst: JLG
Batch #: 1
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	3.39	3.14	8	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

A]] Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



XENCO Laboratories
 Atlanta, Corpus Christi, Dallas,
 Houston, Miami, Midland, Philadelphia,
 San Antonio, Tampa

Document Title: Sample Receipt Checklist
 Document No.: SYS - SRC
 Revision/Date : No.00 , 05/18/10
 Effective Date: 05/20/10
 Page No.: 1 of 1

Prelogin / Nonconformance Report – Sample Log-In

Client: Yates Petroleum
 Date/Time: 5.28.10 9:55
 Lab ID #: 374797
 Initials: AL

Sample Receipt Checklist

1. Sample 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 <u>bottles?</u>	<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 lable(s)?	Yes	<u>No</u>		
9. Container labels legible 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?	Yes	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>4.1</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: 8) sample time for -03 (OC states: 12:00pm container states 11:00 am. Sample -02 lid was broken when received.

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

Andrea Lam

From: "Amanda Trujillo" <atrujillo@yatespetroleum.com>
To: "Andrea Lam" <andrea.lam@xenco.com>
Sent: Wednesday, June 02, 2010 12:03 PM
Subject: RE: Greasewood BD Battery

Andrea:

I'm very sorry for all the confusion, I had an intern fill out the paperwork and I think he got a little confused. Please note the time on the Greasewood as 11:00 am.

Thank you,

Amanda N. Trujillo
Environmental Scientist
Yates Petroleum Corporation
Office 575-748-4310
Cell 575-703-6537
Email atrujillo@yatespetroleum.com

-----Original Message-----

From: Andrea Lam [mailto:andrea.lam@xenco.com]
Sent: Friday, May 28, 2010 10:50 AM
To: Amanda Trujillo
Subject: Greasewood BD Battery

Amanda,

We received your samples for the Greasewood BD Battery and the sample time for Greasewood Quad 3 does not match the COC.

COC: 12:00 PM Container: 11:00 AM

Please let me know which time you would like to use for your report.

Thank You,
Andrea Lam
Sample Receiving / Project Assistant

Environmental Lab of Texas
A Xenco Company
12600 W I-20 E
Odessa, TX 79765
432-563-1800

6/2/2010