YATES PETROLEUM CORPORATION

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

RECEIVED
JUN 13 2012
NMOCD ARTESIA

June 12, 2012

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

Re: Hawkins GY Battery
30-015-21940
Section 27, T18S-R26E
Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding release on January 30, 2012 (2RP-1016). Impacted soils this release were excavated and hauled to an NMOCD approved facility. Vertical and horizontal delineation samples were taken and sent to an NMOCD approved laboratory. Enclosed are the analytical reports, results show TPH and BTEX, to be below RRAL's, based on a site ranking of ten (depth to ground water recorded at 85' per NMOSE, Section 27, T18S-R26E); Yates Petroleum Corporation requests closure based on impacted soils excavated/hauled to an approved NMOCD disposal facility and analytical results.

If you have any questions, please call me at 575-748-4111.

Thank you.

YATES PETROLEUM CORPORATION

Amber Cannon

Amber Cannon
Environmental Regulatory Agent

/anc
Enclosure(s)

North

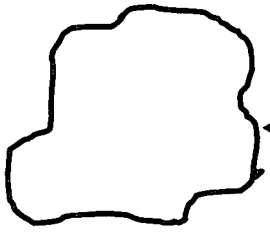
HAWKINS GY Battery
30-015-21940
Section 27, T18S-R26E
Eddy County, New Mexico

2RP-1016

Lease Access

TANK BATTERY

Lease Access



Release Area

B-3, B-4, B-5, B-6, B-7, B-8, B-9 and B-10 samples were taken from the bottom of the excavation.

SP East and SP West samples were taken from two stockpiles that were on location that we ended up hauling off due to high TPH results.

SW-1, Sidewall, SW-2 and SW-3 were taken from the west sidewall of the excavation.

E SW – 1 was taken from the East Sidewall.

S SW – 1 was taken from the South Sidewall.

N SW – 1 was taken from the North Sidewall.

Hawkins GY Battery

Analytical Report-436241 & 436243	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides	
B-3'	Release Area	2/1/2012	Grab	3'	92	1130	831	1960	34.6	Excavated
B-4'	Release Area	2/1/2012	Grab	4'	2040	9520	2020	11500	19.5	Excavated
SW-1	Release Area	2/1/2012	Grab	6"	218	1320	529	1850	19.5	Excavated

Analytical Report-439294	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides	
B-5'	Release Area	3/22/2012	Grab/Auger	5'	2020	8540	1710	10250		Excavated
SP East	Release Area	3/22/2012	Grab	N/A	37.7	1090	3970	5060		Hauled Off
SP West	Release Area	3/22/2012	Grab	N/A	53.5	1160	2870	4030		Hauled Off
Sidewall	Release Area	3/22/2012	Grab	1' into Sidewall	483	3260	1920	5180		Excavated

Analytical Report-H201013	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides	
SW-2	Release Area	5/1/2012	Grab	2' into Sidewall	1.96	ND	ND	ND		
SW-3	Release Area	5/1/2012	Grab	3' into Sidewall	ND	ND	ND	ND		
B-6	Release Area	5/1/2012	Grab	6'	877.2	5240	1720	6960		Excavated
B-7	Release Area	5/1/2012	Grab	7'	363.58	2080	807	2887		Excavated
B-8	Release Area	5/1/2012	Grab	8'	252.8	1590	781	2371		Excavated

Analytical Report-H201274	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
E SW - 1	Release Area	6/4/2012	Grab	1' into Sidewall	ND	ND	ND	ND	
S SW - 1	Release Area	6/4/2012	Grab	1' into Sidewall	ND	ND	ND	ND	
N SW - 1	Release Area	6/4/2012	Grab	1' into Sidewall	ND	ND	ND	ND	
B-9	Release Area	6/4/2012	Grab	9'	ND	ND	ND	ND	
B-10	Release Area	6/4/2012	Grab	10'	0.319	ND	ND	ND	

Site Ranking is TEN (10). Depth to Ground Water 50-99' (approx. 85', Section 27-18S-26E, per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 7 B/PW, 8 MCF; Recovered: 6 B/PW. Release Date: 1/30/2012

Analytical Report 436243

for

Yates Petroleum Corporation

Project Manager: Amber Cannon

Hawkins GY Battery

30-015-21940

13-FEB-12

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)

13-FEB-12

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

Reference: XENCO Report No: **436243**
Hawkins GY Battery
Project Address: Eddy County

Amber Cannon:

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 436243. 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. 436243 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron II
Odessa Laboratory Manager

Sample Cross Reference 436243

Yates Petroleum Corporation, Artesia, NM

Hawkins GY Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B-3'	S	02-01-12 10:15	3 - 3 ft	436243-001
B-4'	S	02-01-12 10:20	4 - 4 ft	436243-002
SW-1	S	02-01-12 10:25	1 - 1 ft	436243-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Hawkins GY Battery

Project ID:	*30-015-21940*	*Report Date:*	*13-FEB-12*
Work Order Number:	*436243*	*Date Received:*	*02/02/2012*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-881041 Anions by E300
RPD recovered outside QC limits between the sample and sample duplicate.

Certificate of Analysis Summary 436243

Yates Petroleum Corporation, Artesia, NM

Project Name: Hawkins GY Battery

Project Id: 30-015-21940
Contact: Amber Cannon
Project Location: Eddy County

Date Received in Lab: Thu Feb-02-12 11:55 am
Report Date: 13-FEB-12
Project Manager: Brent Barron II

Analysis Requested									
	Lab Id:	436243-001		436243-002		436243-003			
	Field Id:	B-3'		B-4'		SW-1			
	Depth:	3-3 ft		4-4 ft		1-1 ft			
	Matrix:	SOIL		SOIL		SOIL			
	Sampled:	Feb-01-12 10.15		Feb-01-12 10 20		Feb-01-12 10 25			
Anions by E300	*Extracted:*								
	Analyzed:	Feb-11-12 11:00		Feb-11-12 11 00		Feb-11-12 11:00			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		34.6	1.02	19 5	1 02	19.5	0 978		
Percent Moisture	*Extracted:*								
	Analyzed:	Feb-03-12 14:20		Feb-03-12 14.20		Feb-03-12 14:20			
	Units/RL:	%	RL	%	RL	%	RL		
Percent Moisture		17.5	1 00	17 3	1.00	14.1	1 00		

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.

* 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.

Blank Spike Recovery

Project Name: Hawkins GY Battery

Work Order #: 436243 **Project ID:** 30-015-21940

Lab Batch #: 881041 **Sample:** 881041-1-BKS **Matrix:** Solid

Date Analyzed: 02/10/2012 **Date Prepared:** 02/10/2012 **Analyst:** BRB

Reporting Units: mg/kg **Batch #:** 1

Anions by E300 Analytes	BLANK /BLANK SPIKE RECOVERY STUDY					
	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	<0.840	20.0	19 9	100	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes

BRL - Below Reporting Limit

Form 3 - MS Recoveries

Project Name: Hawkins GY Battery

Work Order #: 436243
Lab Batch #: 881041
Project ID: 30-015-21940
Date Analyzed: 02/11/2012
Date Prepared: 02/11/2012
Analyst: BRB
QC- Sample ID: 436418-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	4.86	103	88.4	81	75-125	

Lab Batch #: 881041
Date Analyzed: 02/11/2012
Date Prepared: 02/11/2012
Analyst: BRB
QC- Sample ID: 436760-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	4.59	100	94.5	90	75-125	

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

BRL - Below Reporting Limit

Sample Duplicate Recovery

Project Name: Hawkins GY Battery

Work Order #: 436243

Lab Batch #: 881041 **Project ID:** 30-015-21940

Date Analyzed: 02/11/2012 11.00 **Date Prepared:** 02/11/2012 **Analyst:** BRB

QC- Sample ID: 436418-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by E300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	4.86	6.38	27	20	F

Lab Batch #: 880595

Date Analyzed: 02/03/2012 09:00 **Date Prepared:** 02/03/2012 **Analyst:** BRB

QC- Sample ID: 436269-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	4 23	3 80	11	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes
BRL - Below Reporting Limit

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: Amber Cannon
Project Name: **Hawkins GY Battery**

Company Name: Yates Petroleum Corporation
Project #: 30-015-21940

Company Address: 105 South 4th Street
Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210
PO #: 1032020

Telephone No: 575-748-4111 Fax No: 575-748-4585
Report Format: [x] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Amber Cannon e-mail: acannon@yatespetroleum.com

(lab use only)
ORDER #: 436241 / 436243

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable SW=Surface Water O=Other	Analyze For: TCLP TOTAL: TPH 418.1	8015M	TPH TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	Chlorides	8015B	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	B-3'	3'	3'	2/1/2012	10 15 AM		1	X								S	X									X			X			X
02	B-4'	4'	4'	2/1/2012	10:20 AM		1	X								S	X									X			X			X
03	SW-1	1'	1'	2/1/2012	10:25 AM		1	X								S	X									X			X			X
	PLEASE PUT CHLORIDES ON SEPARATE REPORT																															

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

Relinquished by	Date	Time	Received by	Date	Time
Amber Cannon	02/01/12	3 31 PM			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by: Fedex	Date	Time	Received by ELOT: Andrea Elam	Date: 2.2.12	Time: 155

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
4 0 = 9 4 5 5
Temperature Upon Receipt: 2.0 °C

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

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum

Date/Time: 2.2.12 11:55

Lab ID # : 436241 / 436243

Initials: AL

Sample Receipt Checklist

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

18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 2.0 °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 436241

for

Yates Petroleum Corporation

Project Manager: Amber Cannon

Hawkins GY Battery

30-015-21940

13-FEB-12

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)

13-FEB-12

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

Reference: XENCO Report No: **436241**
Hawkins GY Battery
Project Address: Eddy County

Amber Cannon:

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 436241. 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. 436241 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron II
Odessa Laboratory Manager

Sample Cross Reference 436241

Yates Petroleum Corporation, Artesia, NM

Hawkins GY Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B-3'	S	02-01-12 10:15	3 - 3 ft	436241-001
B-4'	S	02-01-12 10:20	4 - 4 ft	436241-002
SW-1	S	02-01-12 10:25	1 - 1 ft	436241-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Hawkins GY Battery

Project ID:	*30-015-21940*	*Report Date:*	*13-FEB-12*
Work Order Number:	*436241*	*Date Received:*	*02/02/2012*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-880592 BTEX by EPA 8021B
SW8021BM

Batch 880592, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 436241-003.

SW8021BM

Batch 880592, Benzene, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 436241-001, -003.
The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

Batch: LBA-880721 BTEX by EPA 8021B
SW8021BM

Batch 880721, Benzene, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 436241-002.
The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

SW8021BM

Batch 880721, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 436241-002.
4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 436002-003 S,436002-003 SD.

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Hawkins GY Battery

Project ID:	*30-015-21940*	*Report Date:*	*13-FEB-12*
Work Order Number:	*436241*	*Date Received:*	*02/02/2012*

Batch: LBA-881186 TPH By SW8015B Mod
SW8015B_NM

Batch 881186, 1-Chlorooctane recovered above QC limits Data confirmed by re-analysis.
Samples affected are: 436241-002.
Batch 881186, 1-Chlorooctane recovered above QC limits Data not confirmed by re-analysis.
Samples affected are: 617761-1-BSD,436241-002 S,436241-002 SD.

SW8015B_NM

Batch 881186, C6-C10 Gasoline Range Hydrocarbons recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. C10-C28 Diesel Range Hydrocarbons recovered above QC limits in the Matrix Spike Duplicate.
Samples affected are: 436241-001, -003, -002.
The Laboratory Control Sample for C10-C28 Diesel Range Hydrocarbons, C6-C10 Gasoline Range Hydrocarbons is within laboratory Control Limits

Certificate of Analysis Summary 436241

Yates Petroleum Corporation, Artesia, NM

Project Name: Hawkins GY Battery

Project Id: 30-015-21940
Contact: Amber Cannon
Project Location: Eddy County

Date Received in Lab: Thu Feb-02-12 11.55 am
Report Date: 13-FEB-12
Project Manager: Brent Barron II

Analysis Requested									
	Lab Id:	436241-001		436241-002		436241-003				
	Field Id:	B-3'		B-4'		SW-1				
	Depth:	3-3 ft		4-4 ft		1-1 ft				
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	Feb-01-12 10.15		Feb-01-12 10.20		Feb-01-12 10 25				
BTEX by EPA 8021B	*Extracted:*	Feb-03-12 15.00		Feb-07-12 09:54		Feb-03-12 15:00				
	Analyzed:	Feb-04-12 06:43		Feb-07-12 16:58		Feb-04-12 08 57				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Benzene		2 35	0.200	91.1	5 99	2 90	0 198			
Toluene		23.0	0 401	663	12.0	52.6	0 396			
Ethylbenzene		23.1	0 200	466	5 99	57 6	0 198			
m_p-Xylenes		32.3	0 401	624	12.0	77 6	0 396			
o-Xylene		11.2	0 200	198	5 99	27.5	0 198			
Total Xylenes		43.5	0 200	822	5.99	105	0 198			
Total BTEX		92.0	0 200	2040	5.99	218	0.198			
Percent Moisture	*Extracted:*									
	Analyzed:	Feb-03-12 09.00		Feb-03-12 09 00		Feb-03-12 09.00				
	Units/RL:	%	RL	%	RL	%	RL			
Percent Moisture		17.5	1.00	17 3	1.00	14.1	1 00			
TPH By SW8015B Mod	*Extracted:*	Feb-09-12 15:00		Feb-09-12 15 00		Feb-09-12 15:00				
	Analyzed:	Feb-10-12 12 37		Feb-10-12 13.07		Feb-10-12 13:40				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
C6-C10 Gasoline Range Hydrocarbons		1130	90.9	9520	90.8	1320	87.2			
C10-C28 Diesel Range Hydrocarbons		831	90.9	2020	90.8	529	87.2			
Total TPH		1960	90.9	11500	90.8	1850	87.2			

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.

* 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.

Form 2 - Surrogate Recoveries

Project Name: Hawkins GY Battery

Work Orders : 436241,

Project ID: 30-015-21940

Lab Batch #: 880592 **Sample:** 436241-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/04/12 06:43

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY 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	0.0340	0 0300	113	80-120	

Lab Batch #: 880592 **Sample:** 436241-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/04/12 08:57

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0196	0.0300	65	80-120	**
4-Bromofluorobenzene	0 0319	0.0300	106	80-120	

Lab Batch #: 880721 **Sample:** 436241-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/07/12 16:58

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0234	0 0300	78	80-120	**
4-Bromofluorobenzene	0.0316	0.0300	105	80-120	

Lab Batch #: 881186 **Sample:** 436241-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/10/12 12:37

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	100	109	70-135	
o-Terphenyl	47.2	50.0	94	70-135	

Lab Batch #: 881186 **Sample:** 436241-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/10/12 13:07

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	162	100	162	70-135	**
o-Terphenyl	45 1	50 1	90	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: Hawkins GY Battery

Work Orders : 436241,

Project ID: 30-015-21940

Lab Batch #: 881186 **Sample:** 436241-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/10/12 13:40

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	99 9	120	70-135	
o-Terphenyl	48 7	50.0	97	70-135	

Lab Batch #: 880592 **Sample:** 617417-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/03/12 22:52

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY 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	0.0318	0.0300	106	80-120	

Lab Batch #: 880721 **Sample:** 617498-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/07/12 12:01

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0328	0.0300	109	80-120	

Lab Batch #: 881186 **Sample:** 617761-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/10/12 12:06

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.8	100	98	70-135	
o-Terphenyl	51.2	50.0	102	70-135	

Lab Batch #: 880592 **Sample:** 617417-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/03/12 21:21

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0295	0.0300	98	80-120	
4-Bromofluorobenzene	0.0326	0.0300	109	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: Hawkins GY Battery

Work Orders : 436241, **Project ID:** 30-015-21940

Lab Batch #: 880721 **Sample:** 617498-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/07/12 10:30

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0345	0.0300	115	80-120	

Lab Batch #: 881186 **Sample:** 617761-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/10/12 11:05

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	47.9	50.0	96	70-135	

Lab Batch #: 880592 **Sample:** 617417-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/03/12 21:44

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	80-120	
4-Bromofluorobenzene	0.0324	0.0300	108	80-120	

Lab Batch #: 880721 **Sample:** 617498-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/07/12 10:53

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0353	0.0300	118	80-120	

Lab Batch #: 881186 **Sample:** 617761-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/10/12 11:35

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	138	100	138	70-135	*
o-Terphenyl	60.2	50.0	120	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: Hawkins GY Battery

Work Orders : 436241, **Project ID:** 30-015-21940

Lab Batch #: 880592 **Sample:** 436002-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/04/12 02:38

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY 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	0.0338	0 0300	113	80-120	

Lab Batch #: 880721 **Sample:** 436002-003 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/07/12 18:06

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0280	0.0300	93	80-120	
4-Bromofluorobenzene	0 0560	0.0300	187	80-120	*

Lab Batch #: 881186 **Sample:** 436241-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/10/12 14:10

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	217	100	217	70-135	*
o-Terphenyl	46.3	50.0	93	70-135	

Lab Batch #: 880592 **Sample:** 436002-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/04/12 03:00

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0 0300	99	80-120	
4-Bromofluorobenzene	0 0332	0.0300	111	80-120	

Lab Batch #: 880721 **Sample:** 436002-003 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/07/12 18:28

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0281	0 0300	94	80-120	
4-Bromofluorobenzene	0 0515	0.0300	172	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: Hawkins GY Battery

Work Orders : 436241,

Project ID: 30-015-21940

Lab Batch #: 881186 **Sample:** 436241-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/10/12 14:39

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	257	99 5	258	70-135	*
o-Terphenyl	50 7	49 8	102	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: Hawkins GY Battery

Work Order #: 436241 **Project ID:** 30-015-21940

Analyst: ASA **Date Prepared:** 02/03/2012 **Date Analyzed:** 02/03/2012

Lab Batch ID: 880592 **Sample:** 617417-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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	<0 00100	0.100	0 0917	92	0.100	0.0913	91	0	70-130	35	
Toluene	<0.00200	0.100	0.0904	90	0.100	0 0898	90	1	70-130	35	
Ethylbenzene	<0.00100	0 100	0.0891	89	0 100	0.0887	89	0	71-129	35	
m_p-Xylenes	<0 00200	0 200	0 183	92	0 200	0.182	91	1	70-135	35	
o-Xylene	<0 00100	0 100	0 0918	92	0.100	0.0914	91	0	71-133	35	

Analyst: ASA **Date Prepared:** 02/07/2012 **Date Analyzed:** 02/07/2012

Lab Batch ID: 880721 **Sample:** 617498-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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	<0.00100	0.100	0 0893	89	0.100	0.0916	92	3	70-130	35	
Toluene	<0 00200	0.100	0 0886	89	0.100	0.0910	91	3	70-130	35	
Ethylbenzene	<0.00100	0 100	0 0891	89	0 100	0.0913	91	2	71-129	35	
m_p-Xylenes	<0 00200	0.200	0.188	94	0.200	0.192	96	2	70-135	35	
o-Xylene	<0.00100	0.100	0 0913	91	0 100	0.0936	94	2	71-133	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

BS / BSD Recoveries

Project Name: Hawkins GY Battery

Work Order #: 436241 **Project ID:** 30-015-21940

Analyst: ASA **Date Prepared:** 02/09/2012 **Date Analyzed:** 02/10/2012

Lab Batch ID: 881186 **Sample:** 617761-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015B Mod	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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
C6-C10 Gasoline Range Hydrocarbons	<15 0	1000	768	77	1000	909	91	17	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15 0	1000	829	83	1000	970	97	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 / MSD Recoveries

Project Name: Hawkins GY Battery

Work Order # : 436241 **Project ID:** 30-015-21940

Lab Batch ID: 880592 **QC- Sample ID:** 436002-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/04/2012 **Date Prepared:** 02/03/2012 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	<0.00120	0.120	0.0646	54	0.119	0 0803	67	22	70-130	35	X
Toluene	<0 00239	0.120	0.0591	49	0 119	0.0703	59	17	70-130	35	X
Ethylbenzene	<0.00120	0.120	0 0522	44	0.119	0 0584	49	11	71-129	35	X
m_p-Xylenes	<0.00239	0 239	0 0954	40	0.239	0 113	47	17	70-135	35	X
o-Xylene	<0.00120	0 120	0.0488	41	0.119	0 0579	49	17	71-133	35	X

Lab Batch ID: 880721 **QC- Sample ID:** 436002-003 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/07/2012 **Date Prepared:** 02/07/2012 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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 00111	0.111	0.0662	60	0.111	0.0622	56	6	70-130	35	X
Toluene	0.0200	0 111	0.0588	35	0 111	0.0507	28	15	70-130	35	X
Ethylbenzene	0.0974	0.111	0.0780	0	0 111	0 0590	0	28	71-129	35	X
m_p-Xylenes	0 216	0 222	0 170	0	0 222	0 127	0	29	70-135	35	X
o-Xylene	0.200	0 111	0 126	0	0.111	0.0955	0	28	71-133	35	X

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 ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: Hawkins GY Battery

Work Order # : 436241 **Project ID:** 30-015-21940

Lab Batch ID: 881186 **QC- Sample ID:** 436241-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/10/2012 **Date Prepared:** 02/09/2012 **Analyst:** ASA

Reporting Units: mg/kg

TPH By SW8015B Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	9520	1210	13500	329	1200	16600	590	21	70-135	35	X
C10-C28 Diesel Range Hydrocarbons	2020	1210	3580	129	1200	4350	194	19	70-135	35	X

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 ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Hawkins GY Battery

Work Order #: 436241

Lab Batch #: 880595 **Project ID:** 30-015-21940

Date Analyzed: 02/03/2012 09:00 **Date Prepared:** 02/03/2012 **Analyst:** BRB

QC- Sample ID: 436269-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Percent Moisture **Analyte**	**Parent Sample Result [A]**	**Sample Duplicate Result [B]**	**RPD**	**Control Limits %RPD**	**Flag**
Percent Moisture	4 23	3.80	11	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

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: Amber Cannon
Project Name: **Hawkins GY Battery**

Company Name: Yates Petroleum Corporation
Project #: 30-015-21940

Company Address: 105 South 4th Street
Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210
PO #: 1032020

Telephone No: 575-748-4111 Fax No. 575-748-4585
Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Amber Cannon e-mail: acannon@yatespetroleum.com

(lab use only)
ORDER #: 436241 / 436243

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP/TOTAL 8015B: TPH 418.1	8015M: TPH TX 1005	TX 1006: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	B-3'	3'	3'	2/1/2012	10:15 AM		1	X								S	X								X			X		X
02	B-4'	4'	4'	2/1/2012	10:20 AM		1	X								S	X								X			X		X
03	SW-1	1'	1'	2/1/2012	10:25 AM		1	X								S	X								X			X		X
	PLEASE PUT CHLORIDES ON SEPARATE REPORT																													

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

Relinquished by	Date	Time	Received by	Date	Time
Amber Cannon	02/01/12	3 31 PM			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT	Date	Time
Fedex			Andrea Elam	2-2-12	1155

Laboratory Comments:

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

by Courier? UPS DHL (FedEx) Lone Star
4 0z 9655
Temperature Upon Receipt: 2.0 °C

Final 1.000

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

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum

Date/Time: 2.2.12 11:55

Lab ID # : 436241 / 436243

Initials: AE

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	2.0 °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 439294

for

Yates Petroleum Corporation

Project Manager: Amber Cannon

Hawkins GY Battery

30-015-21940

03-APR-12

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)

XENCO Laboratories

03-APR-12

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

Reference: XENCO Report No: **439294**
Hawkins GY Battery
Project Address: Eddy County

Amber Cannon:

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 439294. 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. 439294 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron II
Odessa Laboratory Manager

Sample Cross Reference 439294

Yates Petroleum Corporation, Artesia, NM

Hawkins GY Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B-5'	S	03-22-12 09:30	5 - 5 ft	439294-001
SP East	S	03-22-12 09:30		439294-002
SP West	S	03-22-12 09:30		439294-003
Sidewall	S	03-22-12 09:30	1 - 1 ft	439294-004

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Hawkins GY Battery

Project ID:	*30-015-21940*	*Report Date:*	*03-APR-12*
Work Order Number:	*439294*	*Date Received:*	*03/23/2012*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-884479 BTEX by EPA 8021B
SW8021BM

Batch 884479, Benzene, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 439294-002, -003, -004.
The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

SW8021BM

Batch 884479, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 439294-003,439294-002.

Batch: LBA-884686 BTEX by EPA 8021B
SW8021BM

Batch 884686, Benzene, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 439294-001.
The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

Certificate of Analysis Summary 439294

Yates Petroleum Corporation, Artesia, NM

Project Name: Hawkins GY Battery

Project Id: 30-015-21940
Contact: Amber Cannon
Project Location: Eddy County

Date Received in Lab: Fri Mar-23-12 08:20 am
Report Date: 03-APR-12
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	439294-001		439294-002		439294-003		439294-004			
	Field Id:	B-5'		SP East		SP West		Sidewall			
	Depth:	5-5 ft						1-1 ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL			
	Sampled:	Mar-22-12 09:30		Mar-22-12 09:30		Mar-22-12 09:30		Mar-22-12 09:30			
BTEX by EPA 8021B	*Extracted:*	Mar-29-12 15.51		Mar-27-12 11:05		Mar-27-12 11:05		Mar-27-12 11:05			
	Analyzed:	Mar-29-12 17:31		Mar-27-12 15:57		Mar-27-12 16:20		Mar-27-12 14:27			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		49.7	5.83	ND	0 0519	ND	0 0513	2.13	0 562		
Toluene		574	11.7	1.25	0.104	1.60	0.103	54.5	1.12		
Ethylbenzene		494	5.83	9 93	0 0519	14.0	0 0513	143	0 562		
m_p-Xylenes		670	11.7	18 4	0 104	26 1	0.103	211	1.12		
o-Xylene		234	5.83	8.14	0 0519	11.8	0.0513	72 2	0.562		
Total Xylenes		904	5.83	26.5	0 0519	37 9	0.0513	283	0.562		
Total BTEX		2020	5.83	37.7	0.0519	53.5	0.0513	483	0 562		
Percent Moisture	*Extracted:*										
	Analyzed:	Mar-23-12 08:30		Mar-23-12 08:30		Mar-23-12 08:30		Mar-23-12 08:30			
	Units/RL:	%	RL	%	RL	%	RL	%	RL		
Percent Moisture		14.3	1.00	3.70	1 00	2.28	1 00	11.9	1.00		
TPH By SW8015B Mod	*Extracted:*	Mar-23-12 15:06		Mar-23-12 15 06		Mar-23-12 15:06		Mar-23-12 15:06			
	Analyzed:	Mar-26-12 20:40		Mar-26-12 21:04		Mar-26-12 21:28		Mar-26-12 21:53			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C10 Gasoline Range Hydrocarbons		8540	291	1090	258	1160	51.1	3260	56.6		
C10 - C28 Diesel Range Hydrocarbons		1710	291	3970	258	2870	51.1	1920	56.6		
Total TPH		10250	291	5060	258	4030	51.1	5180	56.6		

Brent Barron II
Odessa Laboratory Manager

XENCO Laboratories

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.

* 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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Hawkins GY Battery

Work Orders : 439294,

Project ID: 30-015-21940

Lab Batch #: 884403 **Sample:** 439294-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/26/12 20:40

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.7	105	70-135	
o-Terphenyl	35.3	49.9	71	70-135	

Lab Batch #: 884403 **Sample:** 439294-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/26/12 21:04

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	99.5	128	70-135	
o-Terphenyl	39 2	49 8	79	70-135	

Lab Batch #: 884403 **Sample:** 439294-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/26/12 21:28

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	99 8	108	70-135	
o-Terphenyl	39 9	49.9	80	70-135	

Lab Batch #: 884403 **Sample:** 439294-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/26/12 21:53

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	99.8	104	70-135	
o-Terphenyl	35.7	49.9	72	70-135	

Lab Batch #: 884479 **Sample:** 439294-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/27/12 14:27

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0247	0.0300	82	80-120	
4-Bromofluorobenzene	0.0322	0.0300	107	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Hawkins GY Battery

Work Orders : 439294,

Project ID: 30-015-21940

Lab Batch #: 884479 **Sample:** 439294-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/27/12 15:57

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0249	0.0300	83	80-120	
4-Bromofluorobenzene	0 0397	0.0300	132	80-120	**

Lab Batch #: 884479 **Sample:** 439294-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/27/12 16:20

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0248	0.0300	83	80-120	
4-Bromofluorobenzene	0.0459	0.0300	153	80-120	**

Lab Batch #: 884686 **Sample:** 439294-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/29/12 17:31

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY 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	0.0325	0.0300	108	80-120	

Lab Batch #: 884403 **Sample:** 619699-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/26/12 19:52

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.2	99.6	91	70-135	
o-Terphenyl	37.0	49 8	74	70-135	

Lab Batch #: 884479 **Sample:** 619765-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/27/12 12:33

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0271	0.0300	90	80-120	
4-Bromofluorobenzene	0.0281	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: Hawkins GY Battery

Work Orders : 439294, **Project ID:** 30-015-21940

Lab Batch #: 884686 **Sample:** 619904-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/29/12 17:09

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0268	0.0300	89	80-120	
4-Bromofluorobenzene	0.0270	0.0300	90	80-120	

Lab Batch #: 884403 **Sample:** 619699-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/26/12 19:03

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	99.9	108	70-135	
o-Terphenyl	46.7	50 0	93	70-135	

Lab Batch #: 884479 **Sample:** 619765-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/27/12 11:03

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	80-120	
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

Lab Batch #: 884686 **Sample:** 619904-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/29/12 15:38

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 884403 **Sample:** 619699-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/26/12 19:28

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	99.7	111	70-135	
o-Terphenyl	45.8	49 9	92	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Hawkins GY Battery

Work Orders : 439294, **Project ID:** 30-015-21940

Lab Batch #: 884479 **Sample:** 619765-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/27/12 11:25

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0 0300	99	80-120	
4-Bromofluorobenzene	0.0313	0.0300	104	80-120	

Lab Batch #: 884686 **Sample:** 619904-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/29/12 16:00

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

Lab Batch #: 884403 **Sample:** 439310-008 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/27/12 05:36

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.4	99.9	98	70-135	
o-Terphenyl	36.5	50.0	73	70-135	

Lab Batch #: 884479 **Sample:** 439379-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/27/12 17:05

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0288	0.0300	96	80-120	
4-Bromofluorobenzene	0.0324	0.0300	108	80-120	

Lab Batch #: 884686 **Sample:** 439431-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/29/12 22:26

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0320	0 0300	107	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: Hawkins GY Battery

Work Orders : 439294, **Project ID:** 30-015-21940

Lab Batch #: 884403 **Sample:** 439310-008 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/27/12 06:01

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	79.5	99.8	80	70-135	
o-Terphenyl	36.0	49.9	72	70-135	

Lab Batch #: 884479 **Sample:** 439379-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/27/12 17:28

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0296	0.0300	99	80-120	

Lab Batch #: 884686 **Sample:** 439431-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/29/12 22:49

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0287	0.0300	96	80-120	
4-Bromofluorobenzene	0.0315	0.0300	105	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.

BS / BSD Recoveries

Project Name: Hawkins GY Battery

Work Order #: 439294 **Project ID:** 30-015-21940

Analyst: ASA **Date Prepared:** 03/27/2012 **Date Analyzed:** 03/27/2012

Lab Batch ID: 884479 **Sample:** 619765-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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	<0 00100	0.100	0.102	102	0.100	0.0942	94	8	70-130	35	
Toluene	<0 00200	0.100	0.102	102	0.100	0.0942	94	8	70-130	35	
Ethylbenzene	<0.00100	0.100	0.102	102	0.100	0.0949	95	7	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.212	106	0.200	0.197	99	7	70-135	35	
o-Xylene	<0.00100	0.100	0 103	103	0 100	0 0957	96	7	71-133	35	

Analyst: ASA **Date Prepared:** 03/29/2012 **Date Analyzed:** 03/29/2012

Lab Batch ID: 884686 **Sample:** 619904-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	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	<0 00100	0.100	0.0806	81	0.100	0.0855	86	6	70-130	35	
Toluene	<0 00200	0.100	0 0800	80	0.100	0.0862	86	7	70-130	35	
Ethylbenzene	<0.00100	0.100	0 0809	81	0.100	0.0865	87	7	71-129	35	
m_p-Xylenes	<0.00200	0 200	0.165	83	0.200	0.180	90	9	70-135	35	
o-Xylene	<0 00100	0 100	0 0809	81	0 100	0.0874	87	8	71-133	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

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Hawkins GY Battery

Work Order # : 439294 **Project ID:** 30-015-21940

Lab Batch ID: 884479 **QC- Sample ID:** 439379-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/27/2012 **Date Prepared:** 03/27/2012 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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 000998	0.0998	0.0360	36	0 0996	0 0338	34	6	70-130	35	X
Toluene	<0.00200	0.0998	0.0188	19	0.0996	0 0167	17	12	70-130	35	X
Ethylbenzene	0.00718	0.0998	0 0165	9	0.0996	0.0159	9	4	71-129	35	X
m_p-Xylenes	0 0116	0.200	0.0281	8	0 199	0.0263	7	7	70-135	35	X
o-Xylene	0 00678	0.0998	0.0158	9	0.0996	0.0151	8	5	71-133	35	X

Lab Batch ID: 884686 **QC- Sample ID:** 439431-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/29/2012 **Date Prepared:** 03/29/2012 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	<0.00104	0.104	0.0696	67	0.103	0.0657	64	6	70-130	35	X
Toluene	<0.00207	0.104	0 0693	67	0.103	0.0659	64	5	70-130	35	X
Ethylbenzene	<0.00104	0.104	0.0690	66	0.103	0.0663	64	4	71-129	35	X
m_p-Xylenes	<0.00207	0.207	0 141	68	0 205	0.135	66	4	70-135	35	X
o-Xylene	<0 00104	0.104	0.0673	65	0.103	0.0634	62	6	71-133	35	X

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 ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Hawkins GY Battery

Work Order #: 439294

Lab Batch #: 884324 **Project ID:** 30-015-21940

Date Analyzed: 03/23/2012 08:30 **Date Prepared:** 03/23/2012 **Analyst:** BRB

QC- Sample ID: 439258-001 D **Batch #:** 1 **Matrix:** Solid

Reporting Units: %

	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Percent Moisture **Analyte**	**Parent Sample Result [A]**	**Sample Duplicate Result [B]**	**RPD**	***Control* Limits %RPD**	**Flag**
Percent Moisture	38 4	38.3	0	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

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: Amber Cannon

Project Name: **Hawkins GY Battery**

Company Name: Yates Petroleum Corporation

Project #: 30-015-21940

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 1032020

Telephone No: 575-748-4111 Fax No: 575-748-4585

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

Sampler Signature: Amber Cannon e-mail: acannon@yatespetroleum.com

(lab use only)
ORDER #: 439294

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH 418.1 / 8015M / 8015B	TPH: TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se (TCLP / TOTAL)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	B-5'	5'	5'	3/22/2012	9:30 AM		1	X									S		X									X					X
02	SP East			3/22/2012	9:30 AM		1	X									S		X									X					X
03	SP West			3/22/2012	9:30 AM		1	X									S		X									X					X
04	Sidewall	1'	1'	3/22/2012	9:30 AM		1	X									S		X									X					X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Amber Cannon	03/22/12	4:00P			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Bill Rimann	3-23-12	08:20

Laboratory Comments:

VOCs Free of Headspace? Y N

Custody seals on container(s) Y N

Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 3.0 °C

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

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum

Date/Time: 3.23.12 08:20

Lab ID # : 437294

Initials: WR / AE

Sample Receipt Checklist

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

18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 3.0 °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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 10, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: HAWKINS GY BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/03/12 11:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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 (V1, 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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	05/03/2012	Sampling Date:	05/01/2012
Reported:	05/10/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SW 2 (H201013-01)

BTEX 8260B mg/kg **Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.152**	0.050	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	**0.922**	0.050	05/09/2012	ND	2.09	104	2.00	5.50	
Ethylbenzene*	**0.376**	0.050	05/09/2012	ND	1.96	97.8	2.00	5.95	
Total Xylenes*	**0.510**	0.150	05/09/2012	ND	6.29	105	6.00	5.94	

Surrogate: Dibromofluoromethane	*85.4 %*	*61.3-142*
Surrogate: Toluene-d8	*97.3 %*	*71.3-129*
Surrogate: 4-Bromofluorobenzene	*85.5 %*	*65.7-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	173	86.7	200	3.21	

Surrogate 1-Chlorooctane	*82.6 %*	*55.5-154*
Surrogate 1-Chlorooctadecane	*91.7 %*	*57.6-158*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	05/03/2012	Sampling Date:	05/01/2012
Reported:	05/10/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SW 3 (H201013-02)

BTEX 8260B mg/kg **Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	<0.050	0.050	05/09/2012	ND	2.09	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	05/09/2012	ND	1.96	97.8	2.00	5.95	
Total Xylenes*	<0.150	0.150	05/09/2012	ND	6.29	105	6.00	5.94	

Surrogate: Dibromofluoromethane	*87.0 %*	*61.3-142*
Surrogate: Toluene-d8	*97.8 %*	*71.3-129*
Surrogate 4-Bromofluorobenzene	*84.7 %*	*65.7-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	173	86.7	200	3.21	

Surrogate: 1-Chlorooctane	*94.3 %*	*55.5-154*
Surrogate: 1-Chlorooctadecane	*96.8 %*	*57.6-158*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	05/03/2012	Sampling Date:	05/01/2012
Reported:	05/10/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: B 6 (H201013-03)

BTEX 8260B mg/kg **Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**25.2**	5.00	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	**302**	5.00	05/09/2012	ND	2.09	104	2.00	5.50	
Ethylbenzene*	**212**	5.00	05/09/2012	ND	1.96	97.8	2.00	5.95	
Total Xylenes*	**338**	15.0	05/09/2012	ND	6.29	105	6.00	5.94	

Surrogate: Dibromofluoromethane	*86.0 %*	*61.3-142*
Surrogate: Toluene-d8	*94.2 %*	*71 3-129*
Surrogate: 4-Bromofluorobenzene	*88.3 %*	*65 7-141*

TPH 8015M mg/kg **Analyzed By: MS** **S-06**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**5240**	50.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	**1720**	50.0	05/09/2012	ND	173	86.7	200	3.21	

Surrogate: 1-Chlorooctane	*188 %*	*55.5-154*
Surrogate: 1-Chlorooctadecane	*128 %*	*57.6-158*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	05/03/2012	Sampling Date:	05/01/2012
Reported:	05/10/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: B 7 (H201013-04)

BTEX 8260B mg/kg **Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**6.48**	5.00	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	**100**	5.00	05/09/2012	ND	2.09	104	2.00	5.50	
Ethylbenzene*	**97.1**	5.00	05/09/2012	ND	1.96	97.8	2.00	5.95	
Total Xylenes*	**160**	15.0	05/09/2012	ND	6.29	105	6.00	5.94	

Surrogate: Dibromofluoromethane	*86.5 %*	*61.3-142*
Surrogate: Toluene-d8	*94.5 %*	*71.3-129*
Surrogate: 4-Bromofluorobenzene	*88.9 %*	*65.7-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**2080**	10.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	**807**	10.0	05/09/2012	ND	173	86.7	200	3.21	

Surrogate: 1-Chlorooctane	*134 %*	*55.5-154*
Surrogate 1-Chlorooctadecane	*97.2 %*	*57.6-158*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	05/03/2012	Sampling Date:	05/01/2012
Reported:	05/10/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: B 8 (H201013-05)

BTEX 8260B mg/kg **Analyzed By: CMS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	**54.7**	5.00	05/09/2012	ND	2.09	104	2.00	5.50	
Ethylbenzene*	**73.1**	5.00	05/09/2012	ND	1.96	97.8	2.00	5.95	
Total Xylenes*	**125**	15.0	05/09/2012	ND	6.29	105	6.00	5.94	

Surrogate Dibromofluoromethane	*85.5 %*	*61.3-142*
Surrogate: Toluene-d8	*97.1 %*	*71.3-129*
Surrogate: 4-Bromofluorobenzene	*89.6 %*	*65.7-141*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**1590**	10.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	**781**	10.0	05/09/2012	ND	173	86.7	200	3.21	

Surrogate 1-Chlorooctane	*146 %*	*55.5-154*
Surrogate. 1-Chlorooctadecane	*107 %*	*57.6-158*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Amber Cannon
Company Name: Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4111 or 575-513-8799 Fax No:
Sampler Signature: Amber Cannon e-mail: acannon@yatespetroleum.com

Project Name: Hawkins GY Battery
Project #: 30-015-21940
Project Loc: Eddy County
PO #: 1032020
Report Format: [x] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: H2101013

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW=Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP / TOTAL: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	SW2	2'	2'	5/1/2012	3:00 PM		1	X								S	X								X						X
2	SW3	3'	3'	5/1/2012	3:05 PM		1	X								S	X								X						X
3	B6	6'	6'	5/1/2012	3:10 PM		1	X								S	X								X						X
4	B7	7'	7'	5/1/2012	3:15 PM		1	X								S	X								X						X
5	B8	8'	8'	5/1/2012	3:20 PM		1	X								S	X								X						X

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

Relinquished by:	Date	Time	Received by	Date	Time
Amber Cannon	5/3/12	11:20A	[illegible]	5/3/12	1120
Relinquished by:	Date	Time	Received by	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 1.0 °C

#26

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 12, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: HAWKINS GY BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/07/12 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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 (V1, 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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	06/07/2012	Sampling Date:	06/04/2012
Reported:	06/12/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: E SW - 1 (H201274-01)

BTEX 8021B mg/kg **Analyzed By: ZZZ**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2012	ND	1.71	85.3	2.00	4.32	
Toluene*	<0.050	0.050	06/09/2012	ND	1.71	85.5	2.00	3.11	
Ethylbenzene*	<0.050	0.050	06/09/2012	ND	1.74	86.8	2.00	3.06	
Total Xylenes*	<0.150	0.150	06/09/2012	ND	5.25	87.6	6.00	2.52	

Surrogate 4-Bromofluorobenzene (PID *101 %* *89 4-126*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2012	ND	182	91.1	200	4.54	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	92.2	200	7.32	

Surrogate: 1-Chlorooctane *79.4 %* *65 2-140*

Surrogate: 1-Chlorooctadecane *93.2 %* *63 6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	06/07/2012	Sampling Date:	06/04/2012
Reported:	06/12/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S SW - 1 (H201274-02)

BTEX 8021B mg/kg **Analyzed By: ZZZ**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2012	ND	1.71	85.3	2.00	4.32	
Toluene*	<0.050	0.050	06/11/2012	ND	1.71	85.5	2.00	3.11	
Ethylbenzene*	<0.050	0.050	06/11/2012	ND	1.74	86.8	2.00	3.06	
Total Xylenes*	<0.150	0.150	06/11/2012	ND	5.25	87.6	6.00	2.52	

Surrogate: 4-Bromofluorobenzene (PIL *102 %* *89.4-126*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2012	ND	182	91.1	200	4.54	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	92.2	200	7.32	

Surrogate 1-Chlorooctane *84 4 %* *65 2-140*

Surrogate· 1-Chlorooctadecane *98.9 %* *63 6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	06/07/2012	Sampling Date:	06/04/2012
Reported:	06/12/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: N SW - 1 (H201274-03)

BTEX 8021B mg/kg **Analyzed By: ZZZ**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2012	ND	1.71	85.3	2.00	4.32	
Toluene*	<0.050	0.050	06/09/2012	ND	1.71	85.5	2.00	3.11	
Ethylbenzene*	<0.050	0.050	06/09/2012	ND	1.74	86.8	2.00	3.06	
Total Xylenes*	<0.150	0.150	06/09/2012	ND	5.25	87.6	6.00	2.52	

Surrogate: 4-Bromofluorobenzene (PIL *100 %* *89.4-126*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2012	ND	182	91.1	200	4.54	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	92.2	200	7.32	

Surrogate: 1-Chlorooctane *83.7 %* *65 2-140*

Surrogate: 1-Chlorooctadecane *101 %* *63 6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	06/07/2012	Sampling Date:	06/04/2012
Reported:	06/12/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: B9 (H201274-04)

BTEX 8021B mg/kg **Analyzed By: ZZZ**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2012	ND	1.71	85.3	2.00	4.32	
Toluene*	<0.050	0.050	06/09/2012	ND	1.71	85.5	2.00	3.11	
Ethylbenzene*	<0.050	0.050	06/09/2012	ND	1.74	86.8	2.00	3.06	
Total Xylenes*	<0.150	0.150	06/09/2012	ND	5.25	87.6	6.00	2.52	

Surrogate 4-Bromofluorobenzene (PID *98.8 %* *89.4-126*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2012	ND	182	91.1	200	4.54	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	92.2	200	7.32	

Surrogate 1-Chlorooctane *87.4 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *102 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	06/07/2012	Sampling Date:	06/04/2012
Reported:	06/12/2012	Sampling Type:	Soil
Project Name:	HAWKINS GY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-21940	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: B10 (H201274-05)

BTEX 8021B mg/kg **Analyzed By: ZZZ**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2012	ND	1.71	85.3	2.00	4.32	
Toluene*	**0.086**	0.050	06/11/2012	ND	1.71	85.5	2.00	3.11	
Ethylbenzene*	**0.076**	0.050	06/11/2012	ND	1.74	86.8	2.00	3.06	
Total Xylenes*	**0.157**	0.150	06/11/2012	ND	5.25	87.6	6.00	2.52	

Surrogate 4-Bromofluorobenzene (PID *105 %* *89.4-126*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2012	ND	182	91.1	200	4.54	
DRO >C10-C28	<10.0	10.0	06/08/2012	ND	184	92.2	200	7.32	

Surrogate: 1-Chlorooctane *83 5 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *96.0 %* *63 6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Amber Cannon
Company Name: Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4111 or 575-513-8799 Fax No:
Sampler Signature: Amber Cannon e-mail: acannon@yatespetroleum.com

Project Name: Hawkins GY Battery
Project #: 30-015-21940
Project Loc: Eddy County
PO #: 1032020
Report Format: [x] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: H201274

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	E SW - 1	1'	1'	6/4/2012	11:00 AM		1	X								S	X								X						X
2	S SW - 1	1'	1'	6/4/2012	11:05 AM		1	X								S	X								X						X
3	N SW - 1	1'	1'	6/4/2012	11:10 AM		1	X								S	X								X						X
4	B9	9'	9'	6/4/2012	11:20 AM		1	X								S	X								X						X
5	B10	10'	10'	6/4/2012	11:30 AM		1	X								S	X								X						X

Special Instructions: TPH: 418.1, BTEX: 8021B. Please show BTEX results as mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
Amber Cannon			Addie Hennon	10/7/12	10:00
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 1.0 °C

#2