December 28, 2011

Mr. Mike Bratcher
Oil Conservation Division
Artesia, NM

Re: Allison CQ Fed. #6
30-015-23211
Section 13, T19S-R24E
Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corp. would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated August 1, 2011.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of January 3, 2012.

If you have any questions call me at 575-748-4311

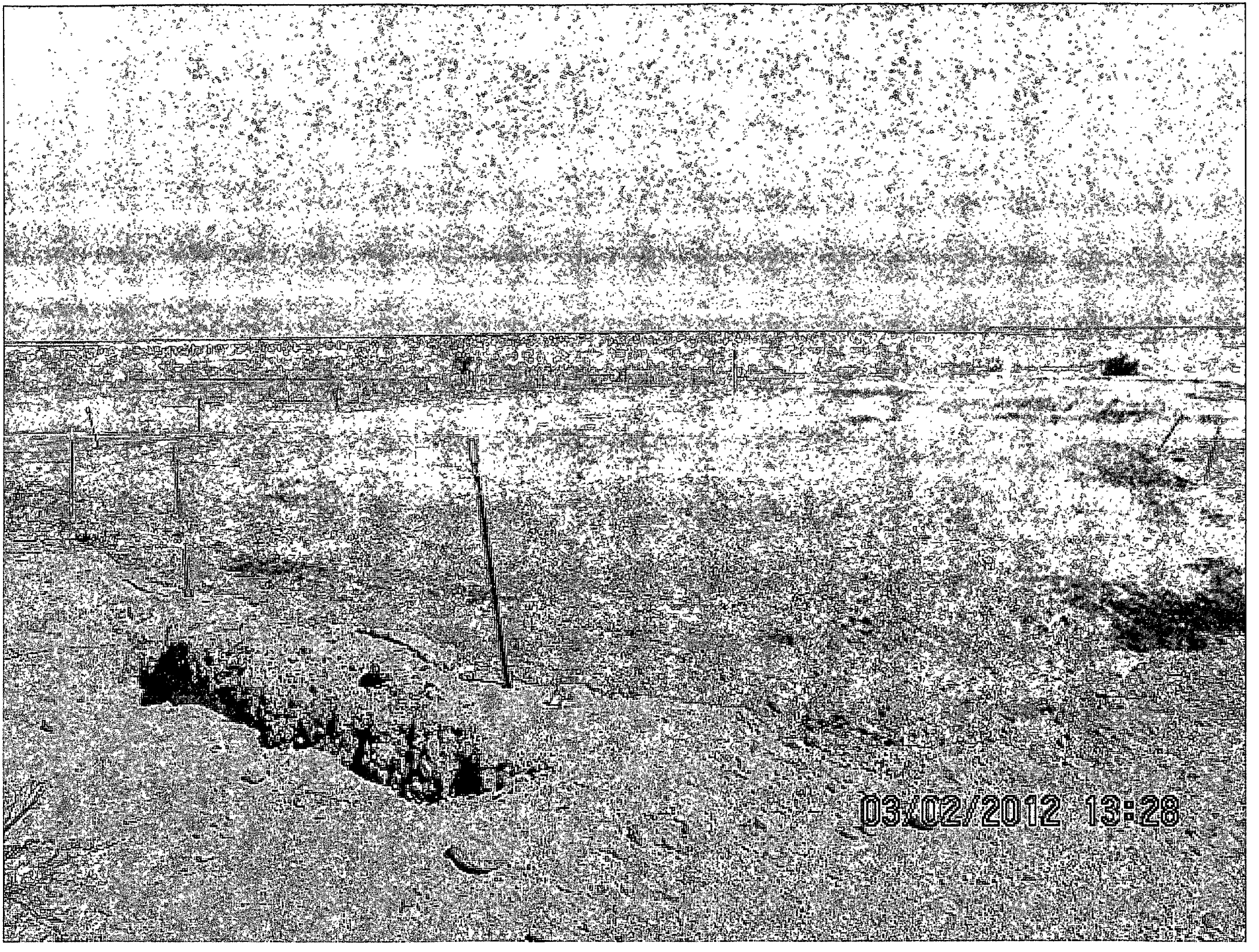
Thank you.

Yates Petroleum Corporation

Jeremy Haass
Environmental Regulatory Agent

Enclosure(s):

Pictures of Spill
Analytical Report 425343
Analytical Report 425344


03/02/2012 13:28

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St. Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
MAR -7 2012
NMOCD ARTESIA

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	OGRID Number	Contact
Yates Petroleum Corporation	25575	Jeremy Haass
Address		Telephone No.
104 S. 4TH Street		575-748-1471
Facility Name	API Number	Facility Type
Allison CQ Fed. #6	30-015-23211	P&A

Surface Owner	Mineral Owner	Lease No.
Fee	Federal	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	13	19S	24E	990	North	990	West	Eddy

Latitude 32.66552 **Longitude** 104.5465

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Produced Water	40 B/PW	28 B/PW
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Water Line	7/30/2011 AM	7/30/2011 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher, NMOCD II	
By Whom? Amanda Trujillo, Yates Petroleum Corporation	Date and Hour 7/30/2011 AM (telephone)	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Water line broke. Isolated line, called crew to fix leak and build contaminate area. Also called vac truck to recover discharged water.

Describe Area Affected and Cleanup Action Taken.*
An approximate area of 30' X 90', all on well pad. Vacuum truck called to pick up remaining produced water, impacted soils to be scraped up and taken to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX. If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted. **Depth to Ground Water: >100' (approximately 265', Section 12-T19S-R24E, per NMOSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on recovered amounts of produced water, impacted soils excavated/hauled with deeper clean top soil for root structure, and enclosed analytical results, Yates Petroleum Corporation requests closure.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION
Printed Name: Jeremy Haass	Approved by District Supervisor:
Title. Environmental Regulatory Agent	Approval Date: / Expiration Date:
E-mail Address: jhaass@yatespetroleum.com	Conditions of Approval / Attached ☐
Date: Wednesday, March 07, 2012 Phone: 575-748-1471	2RP-

* Attach Additional Sheets If Necessary

Yates Petroleum Corporation

Allison CQ Fed. #6 Work Plan

Section 13, T19S-R24E

Eddy County, New Mexico

December 28, 2011

I. Location

Go south on 285 to Rocking R Red Road, turn west go 8.7 miles. Turn north 1 1 miles just past the turn off for the Allison #8. Map included in packet.

II. Background

On July 30, 2011 a release occurred of 40 B/PW of which 28 B/PW was recovered. Yates submitted a C-141 on August 4, 2011 to the NMOCD District II office The total affected area was 30 yards x 90 yards. Initial delineation samples were taken (8/4/11) and sent to an NMOCD approved laboratory (8/17/11 results enclosed).

III. Surface and Ground Water

Area surface geology is Cenozoic The nearest Depth to Groundwater record listed on the New Mexico Office of the State Engineer (Section 12, T19S-R24E) shows depth of groundwater to be approximately 265 feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events

The ranking for this site is zero (0) based on the as following:

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

IV. Soils

The area consists of soils that are caliche and interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface

V. Scope of Work

Upon approval of this work plan and based on the enclosed analytical results, Yates Petroleum Corp. will have a contractor excavate 2' of impacted soil (total excavation will be 300' x 90' x 2' deep), impacted soils will be taken to an NMOCD approved facility for disposal, and a 3' cap will be placed over the excavation site and contoured to flow with the surrounding area With the analytical results being within RRAL's for BTEX (50 ppm) and TPH (5000 ppm) for the Total Ranking Score of zero (0) Yates Petroleum Corporation will submit a C-141 Final Report, analytical results and request closure of the site.

Analytical Report 425344

for

Yates Petroleum Corporation

Project Manager: Jeremy Haass

Allison CQ Federal

30-015-23211

17-AUG-11

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152) Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code. AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

17-AUG-11

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

Reference: XENCO Report No: **425344**
Allison CQ Federal
Project Address: Eddy

Jeremy Haass:

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 425344. 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. 425344 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 425344

Yates Petroleum Corporation, Artesia, NM

Allison CQ Federal

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-1.0	S	08-04-11 12:00	1 - 1 ft	425344-001
Comp-2.0	S	08-04-11 12:28	2 - 2 ft	425344-002
Comp-3.0	S	08-04-11 13:00	3 - 3 ft	425344-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Allison CQ Federal

Project ID:	*30-015-23211*	*Report Date:*	*17-AUG-11*
Work Order Number:	*425344*	*Date Received:*	*08/09/2011*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-867226 Inorganic Anions by EPA 300/300.1
E300

Batch 867226, Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 425344-002, -001, -003.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Certificate of Analysis Summary 425344

Yates Petroleum Corporation, Artesia, NM

Project Name: Allison CQ Federal

Project Id: 30-015-23211
Contact: Jeremy Haass
Project Location: Eddy

Date Received in Lab: Tue Aug-09-11 10 15 am
Report Date: 17-AUG-11
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	425344-001		425344-002		425344-003					
	Field Id:	Comp-1 0		Comp-2 0		Comp-3 0					
	Depth:	1-1 ft		2-2 ft		3-3 ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Aug-04-11 12 00		Aug-04-11 12 28		Aug-04-11 13 00					
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*	Aug-14-11 15 05		Aug-14-11 15 23		Aug-14-11 15 41					
	Analyzed:	Aug-14-11 15 05		Aug-14-11 15 23		Aug-14-11 15 41					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		4400	5 35	4400	5 27	2640	5 22				
Percent Moisture	*Extracted:*										
	Analyzed:	Aug-09-11 15 35		Aug-09-11 15 35		Aug-09-11 15 35					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		6 47	1 00	5 13	1 00	4 15	1 00				

Brent Barron II
Odessa Laboratory Manager

Final 1 000

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.

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.

Blank Spike Recovery

Project Name: Allison CQ Federal

Work Order #: 425344 **Project ID:** 30-015-23211

Lab Batch #: 867226 **Sample:** 609831-1-BKS **Matrix:** Solid

Date Analyzed: 08/14/2011 **Date Prepared:** 08/14/2011 **Analyst:** MAB

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

	BLANK /BLANK SPIKE RECOVERY STUDY					
Inorganic Anions by EPA 300/300.1 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	<5 00	500	520	104	80-120	

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

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Allison CQ Federal

Work Order # : 425344 **Project ID:** 30-015-23211

Lab Batch ID: 867226 **QC- Sample ID:** 425245-003 S **Batch #:** 1 **Matrix:** Soil
Date Analyzed: 08/14/2011 **Date Prepared:** 08/14/2011 **Analyst:** MAB
Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1 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
Chloride	1720	518	1990	52	518	1990	52	0	80-120	20	X

Lab Batch ID: 867226 **QC- Sample ID:** 425342-002 S **Batch #:** 1 **Matrix:** Soil
Date Analyzed: 08/14/2011 **Date Prepared:** 08/14/2011 **Analyst:** MAB
Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1 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
Chloride	310	516	824	100	516	789	93	4	80-120	20	

Lab Batch ID: 867226 **QC- Sample ID:** 425347-002 S **Batch #:** 1 **Matrix:** Soil
Date Analyzed: 08/14/2011 **Date Prepared:** 08/14/2011 **Analyst:** MAB
Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1 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
Chloride	58900	538	47200	0	538	47200	0	0	80-120	20	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

Final 1.000

Project Name: Allison CQ Federal

Work Order #: 425344

Lab Batch #: 867226 **Project ID:** 30-015-23211
Date Analyzed: 08/14/2011 08 45 **Date Prepared:** 08/14/2011 **Analyst:** MAB
QC- Sample ID: 425245-003 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	1720	1850	7	20	

Lab Batch #: 867226
Date Analyzed: 08/14/2011 13 35 **Date Prepared:** 08/14/2011 **Analyst:** MAB
QC- Sample ID: 425342-002 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	310	292	6	20	

Lab Batch #: 867226
Date Analyzed: 08/14/2011 16 36 **Date Prepared:** 08/14/2011 **Analyst:** MAB
QC- Sample ID: 425347-002 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	58900	59100	0	20	

Lab Batch #: 866810
Date Analyzed: 08/09/2011 15 35 **Date Prepared:** 08/09/2011 **Analyst:** BRB
QC- Sample ID: 425346-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	4 92	5 26	7	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: Jeremy Haass
Company Name: Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4311
Fax No:
Sampler Signature: [signature]
e-mail: jhaass@yatespetroleum.com

Project Name: Allison CQ Federal
Project #: 30-015-23211
Project Loc: Eddy
PO #: 103-2636
Report Format: [x] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 425343 / 425344

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # 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)	TPH 418.1 8015M 8015B	TPH TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Comp-1.0	1ft	1ft	8/4/2011	12:00pm			X								S	X								X			X				X
02	Comp-2.0	2ft	2ft	8/4/2011	12:28pm			X								S	X								X			X				X
03	Comp-3.0	3ft	3ft	8/4/2011	1:00pm			X								S	X								X			X				X

(Analyze For: TCLP / TOTAL)

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
	08/08/11	2:25 PM			
Fedex			by ELOT: Andrea Elam	8.9.11	10:15

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 4027455
- Temperature Upon Receipt 1.1 °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 9 11 10:15

Lab ID #: 425343 / 425344

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	Xenco-Houston
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	1.1 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

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

Regarding: _____

_____

Corrective Action Taken: _____

_____

_____

_____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.

☐ Initial and Backup Temperature confirm out of temperature conditions

☐ Client understands and would like to proceed with analysis

Analytical Report 425343

for

Yates Petroleum Corporation

Project Manager: Jeremy Haass

Allison CQ Federal

30-015-23211

17-AUG-11

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122).
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code. FL01212). Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

17-AUG-11

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

Reference: XENCO Report No: **425343**
Allison CQ Federal
Project Address: Eddy

Jeremy Haass:

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 425343. 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. 425343 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 425343

Yates Petroleum Corporation, Artesia, NM

Allison CQ Federal

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-1.0	S	08-04-11 12:00	1 - 1 ft	425343-001
Comp-2.0	S	08-04-11 12:28	2 - 2 ft	425343-002
Comp-3.0	S	08-04-11 13:00	3 - 3 ft	425343-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Allison CQ Federal

Project ID:	*30-015-23211*	*Report Date.*	*17-AUG-11*
Work Order Number:	*425343*	*Date Received:*	*08/09/2011*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-867215 BTEX by EPA 8021B
SW8021BM

Batch 867215, Toluene, m_p-Xylenes recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Ethylbenzene, o-Xylene recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 425343-001, -002, -003.
The Laboratory Control Sample for Toluene, m_p-Xylenes , Ethylbenzene, o-Xylene is within laboratory Control Limits

Certificate of Analysis Summary 425343

Yates Petroleum Corporation, Artesia, NM

Project Name: Allison CQ Federal

Project Id: 30-015-23211
Contact: Jeremy Haass
Project Location: Eddy

Date Received in Lab: Tue Aug-09-11 10:15 am
Report Date: 17-AUG-11
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	425343-001		425343-002		425343-003					
	Field Id:	Comp-1 0		Comp-2 0		Comp-3 0					
	Depth:	1-1 ft		2-2 ft		3-3 ft					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Aug-04-11 12 00		Aug-04-11 12 28		Aug-04-11 13 00					
BTEX by EPA 8021B	*Extracted:*	Aug-12-11 13 45		Aug-12-11 13 45		Aug-12-11 13 45					
	Analyzed:	Aug-12-11 23 08		Aug-12-11 23 31		Aug-12-11 23 53					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		ND	0 00106	ND	0 00106	ND	0 00104				
Toluene		ND	0 00212	ND	0 00213	0 00285	0 00207				
Ethylbenzene		0 00154	0 00106	0 00337	0 00106	0 00352	0 00104				
m_p-Xylenes		0 00452	0 00212	0 0107	0 00213	0 00794	0 00207				
o-Xylene		0 00200	0 00106	0 00512	0 00106	0 00382	0 00104				
Total Xylenes		0 00652	0 00106	0 0158	0 00106	0 0118	0 00104				
Total BTEX		0 00806	0 00106	0 0192	0 00106	0 0181	0 00104				
Percent Moisture	*Extracted:*										
	Analyzed:	Aug-09-11 15 35		Aug-09-11 15 35		Aug-09-11 15 35					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		6 47	1 00	5 13	1 00	4 15	1 00				
TPH By SW8015B Mod	*Extracted:*	Aug-09-11 14 45		Aug-09-11 14 45		Aug-09-11 14 45					
	Analyzed:	Aug-09-11 19 43		Aug-09-11 20 11		Aug-09-11 20 39					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C10 Gasoline Range Hydrocarbons		ND	15 0	ND	15 0	ND	14 9				
C10-C28 Diesel Range Hydrocarbons		85 6	15 0	278	15 0	192	14 9				
Total TPH		85 6	15 0	278	15 0	192	14 9				

Brent Barron II
Odessa Laboratory Manager

Final 1 000

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

BRL Below Reporting Limit

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Allison CQ Federal

Work Orders 425343,

Project ID: 30-015-23211

Lab Batch #: 866807 **Sample:** 425343-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/09/11 19:43

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	130	100	130	70-135	
o-Terphenyl	66 1	50 0	132	70-135	

Lab Batch #: 866807 **Sample:** 425343-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/09/11 20 11

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	55 3	50 2	110	70-135	

Lab Batch #: 866807 **Sample:** 425343-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/09/11 20.39

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	99 6	123	70-135	
o-Terphenyl	64 3	49 8	129	70-135	

Lab Batch #: 867215 **Sample:** 425343-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/12/11 23 08

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 0302	0 0300	101	80-120	
4-Bromofluorobenzene	0 0310	0 0300	103	80-120	

Lab Batch #: 867215 **Sample:** 425343-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/12/11 23:31

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 0276	0 0300	92	80-120	
4-Bromofluorobenzene	0 0332	0 0300	111	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: Allison CQ Federal

Work Orders 425343,

Project ID: 30-015-23211

Lab Batch #: 867215 **Sample:** 425343-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/12/11 23 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 0276	0 0300	92	80-120	
4-Bromofluorobenzene	0 0296	0 0300	99	80-120	

Lab Batch #: 866807 **Sample:** 609586-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 08/09/11 18 19

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	131	100	131	70-135	
o-Terphenyl	66 3	50 0	133	70-135	

Lab Batch #: 867215 **Sample:** 609823-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 08/12/11 15 51

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 0290	0 0300	97	80-120	

Lab Batch #: 866807 **Sample:** 609586-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 08/09/11 17 22

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	130	101	129	70-135	
o-Terphenyl	64 6	50 3	128	70-135	

Lab Batch #: 867215 **Sample:** 609823-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 08/12/11 14.20

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 0278	0 0300	93	80-120	
4-Bromofluorobenzene	0 0271	0 0300	90	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: Allison CQ Federal

Work Orders 425343, **Project ID:** 30-015-23211

Lab Batch #: 866807 **Sample:** 609586-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 08/09/11 17:51

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	130	100	130	70-135	
o-Terphenyl	63 8	50 1	127	70-135	

Lab Batch #: 867215 **Sample:** 609823-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 08/12/11 14:43

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 0308	0 0300	103	80-120	
4-Bromofluorobenzene	0 0314	0 0300	105	80-120	

Lab Batch #: 866807 **Sample:** 425341-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/09/11 23:22

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	130	100	130	70-135	
o-Terphenyl	62 5	50 0	125	70-135	

Lab Batch #: 867215 **Sample:** 425633-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/12/11 20 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 0294	0 0300	98	80-120	
4-Bromofluorobenzene	0 0290	0 0300	97	80-120	

Lab Batch #: 866807 **Sample:** 425341-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/09/11 23 50

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	132	100	132	70-135	
o-Terphenyl	64 1	50 0	128	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: Allison CQ Federal

Work Orders 425343,

Project ID: 30-015-23211

Lab Batch #: 867215 **Sample:** 425633-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 08/12/11 20 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 0300	0 0300	100	80-120	
4-Bromofluorobenzene	0 0307	0 0300	102	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: Allison CQ Federal

Work Order #: 425343 **Project ID:** 30-015-23211

Analyst: ASA **Date Prepared:** 08/12/2011 **Date Analyzed:** 08/12/2011

Lab Batch ID: 867215 **Sample:** 609823-1-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	0 106	106	0 100	0 118	118	11	70-130	35	
Toluene	<0 00200	0 100	0 0948	95	0 100	0 104	104	9	70-130	35	
Ethylbenzene	<0 00100	0 100	0 103	103	0 100	0 114	114	10	71-129	35	
m_p-Xylenes	<0 00200	0 200	0 208	104	0 200	0 230	115	10	70-135	35	
o-Xylene	<0 00100	0 100	0 0977	98	0 100	0 108	108	10	71-133	35	

Analyst: BEV **Date Prepared:** 08/09/2011 **Date Analyzed:** 08/09/2011

Lab Batch ID: 866807 **Sample:** 609586-1-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 1	1010	963	95	1000	967	97	0	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15 1	1010	884	88	1000	885	89	0	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

Final 1 000

Form 3 - MS / MSD Recoveries

Project Name: Allison CQ Federal

Work Order # : 425343 **Project ID:** 30-015-23211

Lab Batch ID: 867215 **QC- Sample ID:** 425633-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 08/12/2011 **Date Prepared:** 08/12/2011 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0 00113	0 113	0 0971	86	0 112	0 0866	77	11	70-130	35	
Toluene	<0 00226	0 113	0 0770	68	0 112	0 0663	59	15	70-130	35	X
Ethylbenzene	<0 00113	0 113	0 0842	75	0 112	0 0713	64	17	71-129	35	X
m_p-Xylenes	<0 00226	0 226	0 152	67	0 224	0 128	57	17	70-135	35	X
o-Xylene	<0 00113	0 113	0 0850	75	0 112	0 0771	69	10	71-133	35	X

Lab Batch ID: 866807 **QC- Sample ID:** 425341-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 08/09/2011 **Date Prepared:** 08/09/2011 **Analyst:** BEV

Reporting Units: mg/kg

TPH By SW8015B Mod	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	<15 0	1000	933	93	1000	940	94	1	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15 0	1000	856	86	1000	874	87	2	70-135	35	

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

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

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

Final 1 000

Project Name: Allison CQ Federal

Work Order #: 425343

Lab Batch #: 866810 **Project ID:** 30-015-23211

Date Analyzed: 08/09/2011 15 35 **Date Prepared:** 08/09/2011 **Analyst:** BRB

QC- Sample ID: 425346-001 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 92	5 26	7	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: Jeremy Haass

Company Name: Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No.: 575-748-4311

Fax No:

Sampler Signature: [signature]

e-mail: jhaass@yatespetroleum.com

Project Name: Allison CQ Federal

Project #: 30-015-23211

Project Loc: Eddy

PO #: 103-2636

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

(lab use only)
ORDER #: 425343 / 425344

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TPH 418.1 8015M 8015B	TPH TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Comp-1 0	1ft	1ft	8/4/2011	12 00pm			X									S		X								X			X				X
02	Comp-2 0	2ft	2ft	8/4/2011	12:28pm			X									S		X								X			X				X
03	Comp-3.0	3ft	3ft	8/4/2011	1:00pm			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
	08/08/11	2 25 PM			
Fedex			ELOT: Andrea Elam	8-9-11	10:15

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	4025455	
Temperature Upon Receipt	1.1	°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 9 11 10:15

Lab ID #: 425343 / 425344

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	Xenco-Houston
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 1.1 °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

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