CORRECTIVE ACTION REPORT

Property:

Chinaberry #3 Leak
32.328837 N, 104.310943 W
NE ¼ SE ¼, S5 T23S R26E
Eddy County, New Mexico
2RP-3603

August 2016
Apex Project No. 725010112143

Prepared for:

Enterprise Field Services, LLC
PO Box 4324
Houston, TX 77252
Attention: Dina Ferguson

Prepared by:

Karolanne Toby
Project Manager

Liz Scaggs, P.G.
Division Manager

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CORRECTIVE ACTION REPORT

Chinaberry #3 Leak
32.32537 N, 104.310943 W
NE ¼ SE ¼, S5 T23S R26E
Eddy County, New Mexico

Apex Project No. 725010112143

1.0 INTRODUCTION

1.1 Site Description & Background

The Chinaberry #3 Leak site, referred to hereinafter as the "Site", is located within the Enterprise Field Services, LLC (Enterprise) pipeline right-of-way (ROW) in the northeast (NE) ¼ of the southeast (SE) ¼ of Section 5 in Township 23 South and Range 26 East in rural Eddy County, New Mexico (32.32537 N, 104.310943 W). The Site is located to the east of an unpaved road on Bureau of Land Management (BLM) managed lands. The Site is surrounded by native vegetation rangeland periodically interrupted with oil and gas production and gathering facilities, including the Enterprise 58475OPV natural gas gathering pipeline (Chinaberry line). The pipeline traverses the site from northeast to southwest.

On February 27, 2016, Enterprise was notified of a natural gas pipeline leak on the Chinaberry line. Immediate response action was taken based on the Enterprise *General Release Notification Response and Remediation Plan* (dated March 2015). Enterprise isolated the leaking portion and the pipeline section was blown down to carry out repair activities. An initial C-141 form was submitted to the New Mexico Oil Conservation Division (NMOCD) due to the volume of gas associated with the release. The amount of liquid released from the Chinaberry line was originally estimated at approximately one (1) barrel (bbl) of natural gas pipeline liquids. The release was identified by Enterprise on the ground surface and occurred within the Enterprise pipeline ROW. The initial remediation activities were conducted on February 29, 2016.

Subsequent to the completion of remediation activities, the release amount was conservatively estimated at approximately eight (8) bbls based on the final dimensions of the excavation associated with the release. An updated C-141 form with the updated release estimation and correct locational coordinates for the release point on the Chinaberry line is included in Appendix E.

A topographic map depicting the location of the Site is included as Figure 1, and a Site Vicinity Map is included as Figure 2 in Appendix A.

1.2 Project Objective

The primary objective of the corrective actions completed at the Site was to reduce the concentration of constituents of concern (COCs) in the on-Site soils to below the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (OCD) *Remediation Action Levels* using the New Mexico EMNRD OCD's *Guidelines for Remediation of Leaks, Spills and Releases* as guidance.

2.0 SITE RANKING

In accordance with the New Mexico EMNRD OCD's *Guidelines for Remediation of Leaks, Spills and Releases*, Apex TITAN, Inc. (Apex) utilized the general Site characteristics obtained during the completion of corrective action activities and information available from the New Mexico Office of the State Engineer (OSE) to determine the appropriate "ranking" for the Site. The ranking criteria and associated scoring are provided in the following table:

Ranking Criteria			Ranking Score
Depth to Groundwater	<50 feet	20	20
	50 to 99 feet	10	
	>100 feet	0	
Wellhead Protection Area <1,000 feet from a water source, or; <200 feet from private domestic water source.	Yes	20	0
	No	0	
Distance to Surface Water Body	<200 feet	20	0
	200 to 1,000 feet	10	
	>1,000 feet	0	
Total Ranking Score			20

Based on Apex's evaluation of the scoring criteria, the Site would have a maximum Total Ranking Score of "20". This ranking is based on the following:

- The approximate depth to the initial groundwater-bearing zone is less than 50 feet.
- No water source wells (municipal/community wells) were identified within 1,000 feet of the Site. No private domestic water sources were identified within 200 feet of the Site.
- The distance to the nearest surface water body is greater than 1,000 feet.

Based on a Total Ranking Score of "20", cleanup goals for soils remaining in place include:

- 10 milligrams per kilogram (mg/Kg) for benzene;
- 50 mg/Kg for total benzene, toluene, ethylbenzene and xylene (BTEX);
- 100 mg/Kg for combined total petroleum hydrocarbons (TPH); and
- 250 mg/Kg for chloride.

3.0 RESPONSE ACTIONS

3.1 Soil Excavation Activities

On February 29, 2016, Enterprise personnel were notified of a leak on the Chinaberry line. The leak occurred within the boundaries of the Enterprise pipeline ROW. The pipeline segment was immediately isolated and blown down to carry out repairs associated with the leak.

The excavation activities were carried out from February 29, 2016 to April 13, 2016. Impacted soil was removed from below and surrounding the release point on the Chinaberry line. The final excavation dimensions measured approximately 65 feet long by seven and a half (7.5) feet wide, with varying depths ranging from approximately six (6) feet to nine (9) feet below ground surface (bgs). Impacted soil was removed and collected into one (1) stockpile on-Site.

Backfill of the excavation was completed from April 26 to April 27, 2016. The stockpiled material from the excavation was transported to Lea Land Disposal facility (Lea Land) located approximately 30 miles east of Carlsbad, New Mexico. The excavation was backfilled with clean imported fill material and the area was contoured to approximate original surface grade. Copies of the waste manifests are included in Appendix F.

3.2 Soil Sampling Program

On March 14, 2016, Apex arrived on-Site to conduct soil investigation activities in the vicinity of the Chinaberry pipeline release. Apex utilized a photoionization detector (PID) to assist in determining the extent of potential contamination and the approximate depth of the soil sample locations. Apex collected seven (7) confirmation soil samples (CS-1 through CS-7) from each excavation sidewall and from the floor of the excavation. In addition, a composite soil sample (SP-1) was collected from the impacted soil removed from the excavation for disposal purposes. Based on PID field readings collected on-Site, it was determined that additional soil removal was required in the southern portion of the excavation.

On April 13, 2016, Apex returned to the Site and collected a confirmation soil sample (CS-8) subsequent to Enterprise Operations removing eight (8) feet of soil from the southern boundary of the excavation. In addition, a composite soil sample (STP-2) was collected from the additional impacted soil generated from over-excavation activities.

Soil samples were collected and delivered under chain of custody control to Xenco Laboratories in Midland, Texas for analysis of BTEX utilizing EPA SW-846 Method #8021B, TPH gasoline range organics (GRO) and diesel range organics (DRO) utilizing EPA SW-846 Method #8015 and chloride utilizing EPA Method 300.

Executed chain-of-custody form and laboratory data sheets are provided in Appendix D. All samples were analyzed within specified holding times.

Figure 3 is a Site Map that indicates the approximate location of the confirmation soil samples in relation to pertinent land features and general Site boundaries (Appendix A).

4.0 DATA EVALUATION

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to condensate releases, the New Mexico EMNRD OCD utilizes the *Guidelines for Remediation of Leaks, Spills and Releases* as guidance, in addition to the OCD rules, specifically NMAC 19.15.29 *Remediation Plan*. These guidance documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action.

Apex compared the benzene, BTEX, TPH and chloride concentrations, or reporting limits, associated with the confirmation soil samples (CS-1 through CS-8) collected from the excavated area and the composite soil samples (SP-1 and STP-2) collected from the on-Site stockpiled material to the OCD *Recommended Remediation Action Levels* (RRALs) for sites having a total ranking score of “20”.

3.3 Confirmation Soil Samples

The laboratory analyses of confirmation soil samples (CS-1 through CS-8) collected from the Site indicate benzene concentrations ranging from below the laboratory reporting limits to 0.112 mg/Kg, which are below the OCD RRAL limits of 10 mg/Kg for a Site ranking of “20”.

The laboratory analyses of the confirmation soil samples (CS-1 through CS-8) collected from the Site indicate total BTEX concentrations ranging from below the laboratory reporting limits to 0.834 mg/Kg, which are below the OCD RRAL limits of 50 mg/Kg for a Site ranking of "20".

The laboratory analyses of the confirmation soil samples (CS-1 through CS-8) collected from the Site indicate combined TPH GRO/DRO concentrations ranging from below the laboratory reporting limits to 31.2 mg/kg, which are below the OCD RRAL limits of 100 mg/Kg for a Site ranking of "20".

The laboratory analyses of the confirmation soil samples (CS-1 through CS-8) collected from the Site indicate chloride concentrations ranging from 15.7 mg/kg to 90.0 mg/Kg, which are below the OCD RRAL limits of 250 mg/Kg for a Site ranking of "20".

3.4 Stockpile Soil Samples

The laboratory analyses of the composite soil stockpile samples (SP-1 and STP-2) collected from the Site indicate benzene concentrations of 0.0203 mg/Kg and below the laboratory reporting limits, respectively, which are below the OCD RRAL limits of 10 mg/Kg for a Site ranking of "20".

The laboratory analyses of the composite soil stockpile samples (SP-1 and STP-2) collected from the Site indicate total BTEX concentrations of 0.405 mg/Kg and 0.0682 mg/Kg, respectively, which are below the OCD RRAL limits of 50 mg/Kg for a Site ranking of "20".

The laboratory analyses of the composite soil stockpile samples (SP-1 and STP-2) collected from the Site indicate combined TPH GRO/DRO concentrations below the laboratory reporting limits, which are below the OCD RRAL limits of 100 mg/Kg for a Site ranking of "20".

The laboratory analyses of the composite soil stockpile samples (SP-1 and STP-2) collected from the Site indicate chloride concentrations of 43.8 mg/Kg and 78.0 mg/Kg, respectively, which are below the OCD RRAL limits of 250 mg/Kg for a Site ranking of "20".

Confirmation soil sample and composite soil stockpile sample results are provided in Table 1 in Appendix C.

5.0 FINDINGS AND RECOMMENDATIONS

The Chinaberry #3 Leak Site is located within the Enterprise ROW in the NE ¼ of SE ¼ of Section 5 in Township 23 South and Range 26 East in rural Eddy County, New Mexico (32.328837 N, 104.310943 W). The Site is located to the east of an unpaved road on BLM managed lands.

On February 27, 2016, Enterprise was notified of a natural gas pipeline leak on the Chinaberry line. Immediate response action was taken based on the Enterprise *General Release Notification Response and Remediation Plan* (dated March 2015). Enterprise isolated the leaking portion and the pipeline section was blown down to carry out repair activities. An initial C-141 form was submitted to the New Mexico Oil Conservation Division (NMOCD) due to the volume of gas associated with the release. The amount of liquid released from the Chinaberry line was originally estimated at approximately one (1) barrel (bbl) of natural gas pipeline liquids. The release was identified by Enterprise on the ground surface and occurred within the Enterprise pipeline ROW. The initial remediation activities were conducted on February 29, 2016.

Subsequent to the completion of remediation activities, the release amount was conservatively estimated at approximately eight (8) bbls based on the final dimensions of the excavation associated with the release. An updated C-141 form with the updated release estimation and correct locational coordinates for the release point on the Chinaberry line is included in Appendix E.

- The primary objective of the corrective actions was to reduce the concentration of COCs in the on-Site soils to below the New Mexico EMNRD OCD *RRALs* using the New Mexico EMNRD OCD's *Guidelines for Remediation of Leaks, Spills and Releases* as guidance.

- The Site was excavated utilizing heavy equipment to remove surface soils affected by the release. The excavation dimensions measured approximately 65 feet long by seven and a half (7.5) feet wide, with total depths ranging from approximately six (6) to nine (9) feet bgs.

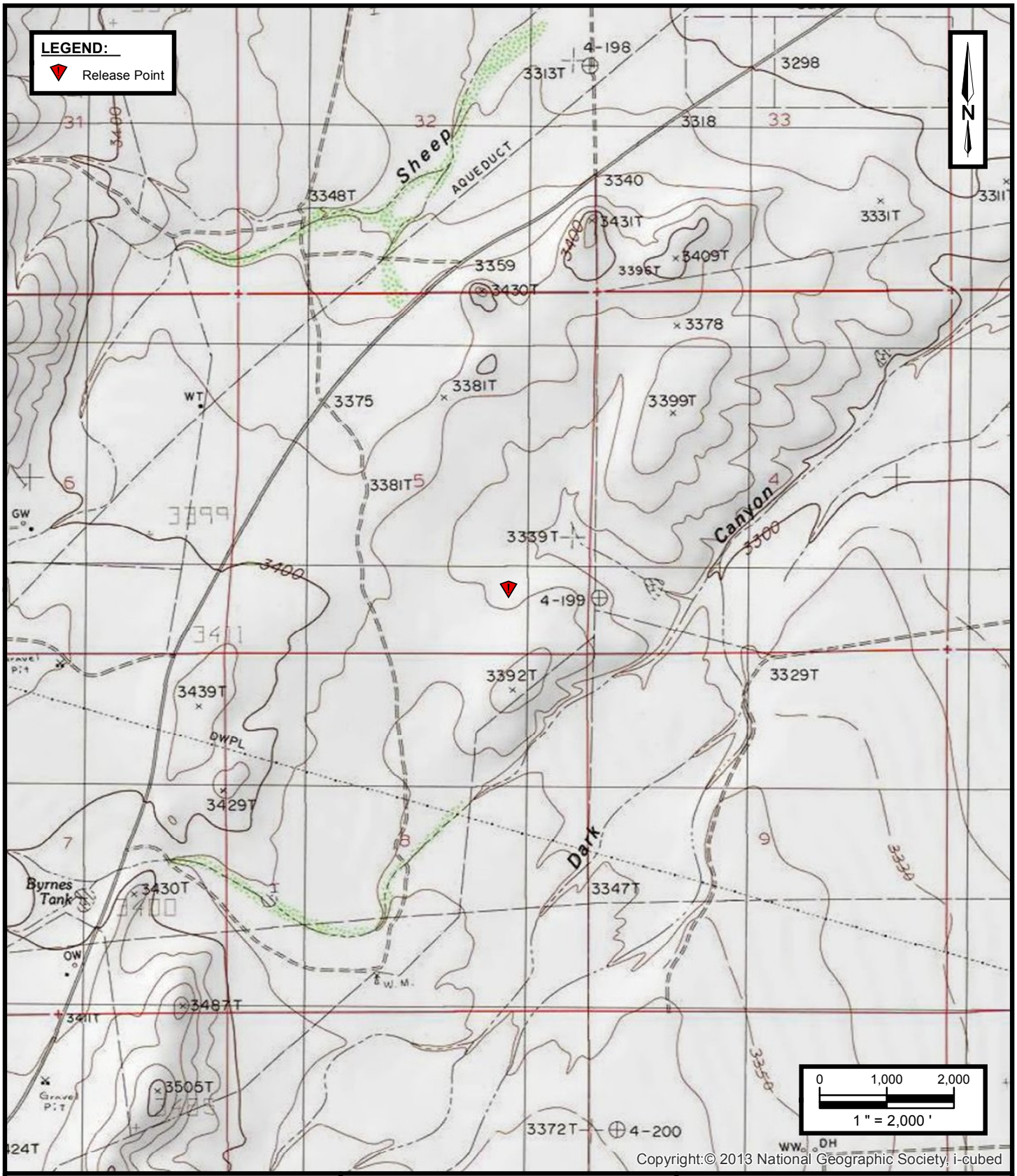
- A total of eight (8) confirmation soil samples (CS-1 through CS-8) were collected from the on-Site excavation. Based on analytical results, on-Site soils remaining in place do not exhibit COC concentrations above the OCD *Remediation Action Levels* for a Site ranking of "20".

- The stockpiled material was transported off-site to Lea Land, located approximately 30 miles east of Carlsbad, New Mexico. The excavation was backfilled with clean imported fill material and was contoured to approximate original surrounding grade.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

APPENDIX A

Figures



Enterprise Field Services, LLC
Chinaberry #3 Release
S5 T23S R26E
Eddy County, New Mexico
32.328837 N, 104.310943 W

Project No. 725010112143

Apex TITAN, Inc.
2351 W. Northwest Highway, Suite 3321
Dallas, Texas 75220
Phone: (214) 350-5469
www.apexcos.com
A Subsidiary of Apex Companies, LLC

FIGURE 1

Topographic Map

Kitchen Cove New Mexico Quadrangle
1985

P:\Drafting\2016\725010112143\Figure 1.mxd Modified 3/18/2016 by jsimpson NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Ft US Coordinate System

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FIGURE 2

Site Vicinity Map

Aerial Photograph April 2013

P:\Drafting\2016\725010112143\Figure 2.mxd Modified 3/18/2016 by jsimpson NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Ft US Coordinate System

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FIGURE 3

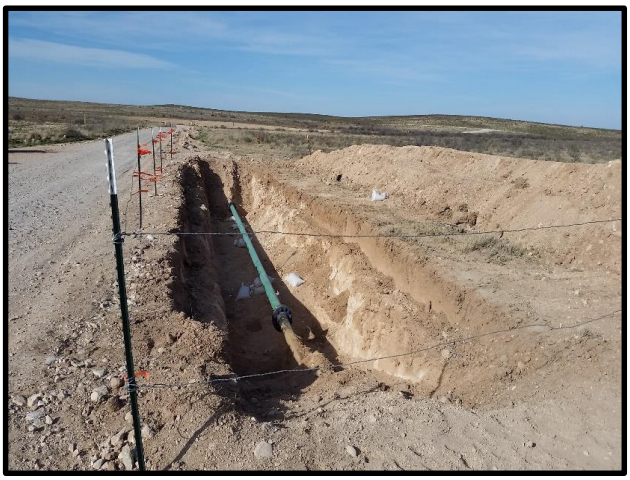
Site Map

P:\Drafting\2016\725010112143\Figure 3.mxd Modified 4/25/2016 by jsimpson NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Ft US Coordinate System

APPENDIX B

Photo Documentation

View of initial excavation facing south



View of initial excavation facing north

View of initial excavation facing southeast in the vicinity of the release point

View of final excavation facing south

View of final excavation facing southeast in the vicinity of the release point

View of final excavation facing north

APEX

APPENDIX C

Tables

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
Chinaberry #3 Release

Sample I.D.	Sample Date	Sample Depth (feet BGS)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH GRO (mg/Kg)	TPH DRO (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
New Mexico Oil Conservation Division (NMOCD) Recommended Remediation Action Levels (RRALs) (Total Ranking Score: 20)											
New Mexico Oil Conservation Division (NMOCD) Recommended Remediation Action Level			**10**	**NE**	**NE**	**NE**	**50**	**NE**	**NE**	**100**	**250**
EXCAVATION CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS											
CS-1	3/14/2016	4	<0.00144	**0.00209**	<0.00192	**0.00228**	**0.00437**	<25.0	<25.0	<25.0	**58.1**
CS-2	3/14/2016	4	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	<24.9	<24.9	<24.9	**27.0**
CS-3	3/14/2016	4	<0.00149	<0.00199	<0.00199	<0.00199	<0.00149	<25.0	<25.0	<25.0	**50.1**
CS-4	3/14/2016	4	<0.00150	<0.00200	<0.00200	<0.00200	<0.00150	<25.0	<25.0	<25.0	**35.1**
CS-5	3/14/2016	4	**0.00886**	**0.0190**	**0.00666**	**0.0444**	**0.0789**	<24.9	<24.9	<24.9	**65.5**
CS-6	3/14/2016	6	**0.00244**	**0.00495**	<0.00200	**0.00341**	**0.0108**	<24.9	<24.9	<24.9	**15.7**
CS-7	3/14/2016	9	**0.112**	**0.396**	**0.0467**	**0.280**	**0.834**	**31.2**	<25.0	**31.2**	**90.0**
CS-8	4/13/2016	4	**0.00237**	**0.0192**	**0.00203**	**0.0114**	**0.0350**	<15.0	<15.0	<15.0	**39.1**
STOCKPILE SOIL SAMPLE ANALYTICAL RESULTS											
SP-1	3/14/2016	NA	**0.0203**	**0.115**	**0.0286**	**0.241**	**0.405**	<25.0	<25.0	<25.0	**43.8**
STP-2	4/13/2016	NA	<0.00149	**0.0134**	**0.00653**	**0.0483**	**0.0682**	<15.0	<15.0	<15.0	**78.0**

mg/Kg- milligrams per Kilogram

NE - Not Established

NA - Not Applicable

BGS - below grade surface

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

Analytical Report 526801

for

APEX/Titan

Project Manager: Karolanne Toby

Chinaberry #3

725010112143

16-MAR-16

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534-15-1)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

16-MAR-16

Project Manager: **Karolanne Toby**
APEX/Titan
505 N. Big Spring Ste. 301 A
Midland, TX 79701

Reference: XENCO Report No(s): **526801**
Chinaberry #3
Project Address: NM

Karolanne Toby:

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(s) 526801. 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. The uncertainty of measurement associated with the results of analysis reported is available upon request. 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. 526801 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,

Kelsey Brooks
Project Manager

Sample Cross Reference 526801

APEX/Titan, Midland, TX

Chinaberry #3

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-1	S	03-14-16 16:00	- 4 ft	526801-001
CS-2	S	03-14-16 16:03	- 4 ft	526801-002
CS-3	S	03-14-16 16:06	- 4 ft	526801-003
CS-4	S	03-14-16 16:09	- 4 ft	526801-004
CS-5	S	03-14-16 16:15	- 4 ft	526801-005
CS-6	S	03-14-16 16:18	- 6 ft	526801-006
CS-7	S	03-14-16 17:10	- 9 ft	526801-007
SP-1	S	03-14-16 17:40		526801-008

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-990323 BTEX by EPA 8021B

Lab Sample ID 526801-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Toluene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 526801-001, -002, -003, -004, -005, -006, -007, -008.

The Laboratory Control Sample for Toluene, Benzene is within laboratory Control Limits, therefore the data was accepted.

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.

Samples in the analytical batch are: 526801-001, -002, -003, -004, -005, -006, -007, -008

Certificate of Analysis Summary 526801

APEX/Titan, Midland, TX

Project Name: Chinaberry #3

Project Id: 725010112143
Contact: Karolanne Toby
Project Location: NM

Date Received in Lab: Tue Mar-15-16 08:40 am
Report Date: 16-MAR-16
Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	526801-001		526801-002		526801-003		526801-004		526801-005		526801-006	
	Field Id:	CS-1		CS-2		CS-3		CS-4		CS-5		CS-6	
	Depth:	4 ft		4 ft		4 ft		4 ft		4 ft		6 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-14-16 16:00		Mar-14-16 16:03		Mar-14-16 16:06		Mar-14-16 16:09		Mar-14-16 16:15		Mar-14-16 16:18	
BTEX by EPA 8021B	***Extracted:***	Mar-15-16 14:00		Mar-15-16 14:00		Mar-15-16 14:00		Mar-15-16 14:00		Mar-15-16 14:00		Mar-15-16 14:00	
	Analyzed:	Mar-15-16 18:09		Mar-15-16 15:43		Mar-15-16 16:00		Mar-15-16 16:16		Mar-15-16 16:33		Mar-15-16 18:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0.00144	ND	0.00150	ND	0.00149	ND	0.00150	0.00886	0.00149	0.00244	0.00150
Toluene		0.00209	0.00192	ND	0.00200	ND	0.00199	ND	0.00200	0.0190	0.00199	0.00495	0.00200
Ethylbenzene		ND	0.00192	ND	0.00200	ND	0.00199	ND	0.00200	0.00666	0.00199	ND	0.00200
m,p-Xylenes		0.00228	0.00192	ND	0.00200	ND	0.00199	ND	0.00200	0.0348	0.00199	0.00341	0.00200
o-Xylene		ND	0.00288	ND	0.00299	ND	0.00299	ND	0.00300	0.00956	0.00298	ND	0.00300
Total Xylenes		0.00228	0.00192	ND	0.00200	ND	0.00199	ND	0.00200	0.0444	0.00199	0.00341	0.00200
Total BTEX		0.00437	0.00144	ND	0.00150	ND	0.00149	ND	0.00150	0.0789	0.00149	0.0108	0.00150
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-15-16 14:00		Mar-15-16 14:00		Mar-15-16 14:00		Mar-15-16 14:00		Mar-15-16 14:00		Mar-15-16 14:00	
	Analyzed:	Mar-15-16 16:45		Mar-15-16 17:05		Mar-15-16 17:25		Mar-15-16 17:45		Mar-15-16 18:06		Mar-15-16 18:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		58.1	10.0	27.0	2.00	50.1	10.0	35.1	10.0	65.5	20.0	15.7	2.00
TPH by SW 8015B	***Extracted:***	Mar-15-16 09:00		Mar-15-16 09:00		Mar-15-16 09:00		Mar-15-16 09:00		Mar-15-16 09:00		Mar-15-16 09:00	
	Analyzed:	Mar-15-16 13:31		Mar-15-16 14:51		Mar-15-16 15:18		Mar-15-16 15:45		Mar-15-16 16:16		Mar-15-16 16:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C10 Gasoline Range Hydrocarbons		ND	25.0	ND	24.9	ND	25.0	ND	25.0	ND	24.9	ND	24.9
C10-C28 Diesel Range Hydrocarbons		ND	25.0	ND	24.9	ND	25.0	ND	25.0	ND	24.9	ND	24.9
Total TPH		ND	25.0	ND	24.9	ND	25.0	ND	25.0	ND	24.9	ND	24.9

Certificate of Analysis Summary 526801

APEX/Titan, Midland, TX

Project Name: Chinaberry #3

Project Id: 725010112143
Contact: Karolanne Toby
Project Location: NM

Date Received in Lab: Tue Mar-15-16 08:40 am
Report Date: 16-MAR-16
Project Manager: Kelsey Brooks

Analysis Requested									
	Lab Id:	526801-007		526801-008					
	Field Id:	CS-7		SP-1					
	Depth:	9 ft							
	Matrix:	SOIL		SOIL					
	Sampled:	Mar-14-16 17:10		Mar-14-16 17:40					
BTEX by EPA 8021B	***Extracted:***	Mar-15-16 14:00		Mar-15-16 14:00					
	Analyzed:	Mar-15-16 17:06		Mar-15-16 17:21					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		0.112	0.00149	0.0203	0.00149				
Toluene		0.396	0.00199	0.115	0.00198				
Ethylbenzene		0.0467	0.00199	0.0286	0.00198				
m,p-Xylenes		0.220	0.00199	0.172	0.00198				
o-Xylene		0.0597	0.00299	0.0689	0.00298				
Total Xylenes		0.280	0.00199	0.241	0.00198				
Total BTEX		0.834	0.00149	0.405	0.00149				
Inorganic Anions by EPA 300/300.1	***Extracted:***	Mar-15-16 14:00		Mar-15-16 14:00					
	Analyzed:	Mar-15-16 19:06		Mar-15-16 19:26					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		90.0	10.0	43.8	10.0				
TPH by SW 8015B	***Extracted:***	Mar-15-16 09:00		Mar-15-16 09:00					
	Analyzed:	Mar-15-16 17:10		Mar-15-16 17:35					
	Units/RL:	mg/kg	RL	mg/kg	RL				
C6-C10 Gasoline Range Hydrocarbons		31.2	25.0	ND	25.0				
C10-C28 Diesel Range Hydrocarbons		ND	25.0	ND	25.0				
Total TPH		31.2	25.0	ND	25.0				

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this 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

	Phone	Fax
4147 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
1211 W Florida Ave, Midland, TX 79701	(432) 563-1800	(432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282	(602) 437-0330	

Form 2 - Surrogate Recoveries

Project Name: Chinaberry #3

Work Orders : 526801,

Project ID: 725010112143

Lab Batch #: 990381 **Sample:** 526801-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 13:31

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	99.8	114	70-130	
o-Terphenyl	57.2	49.9	115	70-130	

Lab Batch #: 990381 **Sample:** 526801-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 14:51

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	99.7	106	70-130	
o-Terphenyl	51.9	49.9	104	70-130	

Lab Batch #: 990381 **Sample:** 526801-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 15:18

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	99.9	106	70-130	
o-Terphenyl	52.5	50.0	105	70-130	

Lab Batch #: 990323 **Sample:** 526801-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 15:43

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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	0.0300	0.0300	100	80-120	

Lab Batch #: 990381 **Sample:** 526801-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 15:45

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.8	109	70-130	
o-Terphenyl	53.9	49.9	108	70-130	

* 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: Chinaberry #3

Work Orders : 526801,

Project ID: 725010112143

Lab Batch #: 990323 **Sample:** 526801-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 16:00

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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	0.0283	0.0300	94	80-120	

Lab Batch #: 990323 **Sample:** 526801-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 16:16

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	80-120	
4-Bromofluorobenzene	0.0300	0.0300	100	80-120	

Lab Batch #: 990381 **Sample:** 526801-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 16:16

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	99.6	113	70-130	
o-Terphenyl	54.4	49.8	109	70-130	

Lab Batch #: 990323 **Sample:** 526801-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 16:33

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0253	0.0300	84	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 990381 **Sample:** 526801-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 16:43

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	99.6	114	70-130	
o-Terphenyl	56.0	49.8	112	70-130	

* 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: Chinaberry #3

Work Orders : 526801,

Project ID: 725010112143

Lab Batch #: 990323 **Sample:** 526801-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 17:06

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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	0.0242	0.0300	81	80-120	

Lab Batch #: 990381 **Sample:** 526801-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 17:10

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	99.8	114	70-130	
o-Terphenyl	55.3	49.9	111	70-130	

Lab Batch #: 990323 **Sample:** 526801-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 17:21

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0255	0.0300	85	80-120	
4-Bromofluorobenzene	0.0253	0.0300	84	80-120	

Lab Batch #: 990381 **Sample:** 526801-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 17:35

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.9	105	70-130	
o-Terphenyl	52.3	50.0	105	70-130	

Lab Batch #: 990323 **Sample:** 526801-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 18:09

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0270	0.0300	90	80-120	
4-Bromofluorobenzene	0.0321	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: Chinaberry #3

Work Orders : 526801,

Project ID: 725010112143

Lab Batch #: 990323 **Sample:** 526801-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 18:25

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0303	0.0300	101	80-120	

Lab Batch #: 990381 **Sample:** 706407-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/15/16 08:42

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.7	100	93	70-130	
o-Terphenyl	45.7	50.0	91	70-130	

Lab Batch #: 990323 **Sample:** 706394-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/15/16 14:26

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	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	0.0287	0.0300	96	80-120	

Lab Batch #: 990381 **Sample:** 706407-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/15/16 09:14

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-130	
o-Terphenyl	50.0	50.0	100	70-130	

Lab Batch #: 990323 **Sample:** 706394-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/15/16 13:05

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	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	0.0313	0.0300	104	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: Chinaberry #3

Work Orders : 526801,

Project ID: 725010112143

Lab Batch #: 990381 **Sample:** 706407-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/15/16 09:48

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-130	
o-Terphenyl	50.9	50.0	102	70-130	

Lab Batch #: 990323 **Sample:** 706394-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/15/16 13:21

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0300	0.0300	100	80-120	

Lab Batch #: 990323 **Sample:** 526801-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 13:38

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0262	0.0300	87	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 990381 **Sample:** 526801-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 13:58

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	128	99.8	128	70-130	
o-Terphenyl	57.5	49.9	115	70-130	

Lab Batch #: 990323 **Sample:** 526801-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 13:53

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0275	0.0300	92	80-120	
4-Bromofluorobenzene	0.0336	0.0300	112	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: Chinaberry #3

Work Orders : 526801, **Project ID:** 725010112143

Lab Batch #: 990381 **Sample:** 526801-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/15/16 14:25

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-130	
o-Terphenyl	55.7	50.0	111	70-130	

* 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: Chinaberry #3

Work Order #: 526801 **Project ID:** 725010112143

Analyst: PJB **Date Prepared:** 03/15/2016 **Date Analyzed:** 03/15/2016

Lab Batch ID: 990323 **Sample:** 706394-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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	<0.00150	0.100	0.0840	84	0.100	0.0827	83	2	70-130	35	
Toluene	<0.00200	0.100	0.0831	83	0.100	0.0829	83	0	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0877	88	0.100	0.0850	85	3	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.184	92	0.200	0.178	89	3	70-135	35	
o-Xylene	<0.00300	0.100	0.0854	85	0.100	0.0831	83	3	71-133	35	

Analyst: MNR **Date Prepared:** 03/15/2016 **Date Analyzed:** 03/15/2016

Lab Batch ID: 990333 **Sample:** 706395-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 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
Chloride	<2.00	50.0	48.1	96	50.0	48.0	96	0	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Chinaberry #3

Work Order #: 526801 **Project ID:** 725010112143

Analyst: ARM **Date Prepared:** 03/15/2016 **Date Analyzed:** 03/15/2016

Lab Batch ID: 990381 **Sample:** 706407-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B 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	<25.0	1000	818	82	1000	875	88	7	75-125	35	
C10-C28 Diesel Range Hydrocarbons	<25.0	1000	851	85	1000	920	92	8	75-125	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

Version: 1.%

Form 3 - MS Recoveries

Project Name: Chinaberry #3

Work Order #: 526801

Lab Batch #: 990333 **Project ID:** 725010112143

Date Analyzed: 03/15/2016 **Date Prepared:** 03/15/2016 **Analyst:** MNR

QC- Sample ID: 526801-005 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	65.5	500	547	96	80-120	

Lab Batch #: 990333

Date Analyzed: 03/15/2016 **Date Prepared:** 03/15/2016 **Analyst:** MNR

QC- Sample ID: 526802-002 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	254	500	747	99	80-120	

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

Version: 1.%

Form 3 - MS / MSD Recoveries

Project Name: Chinaberry #3

Work Order # : 526801 **Project ID:** 725010112143

Lab Batch ID: 990323 **QC- Sample ID:** 526801-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/15/2016 **Date Prepared:** 03/15/2016 **Analyst:** PJB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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	<0.00144	0.0962	0.0939	98	0.0962	0.0616	64	42	70-130	35	XF
Toluene	0.00209	0.0962	0.0978	99	0.0962	0.0651	65	40	70-130	35	XF
Ethylbenzene	<0.00192	0.0962	0.108	112	0.0962	0.0719	75	40	71-129	35	F
m,p-Xylenes	0.00228	0.192	0.227	117	0.192	0.153	79	39	70-135	35	F
o-Xylene	<0.00288	0.0962	0.108	112	0.0962	0.0717	75	40	71-133	35	F

Lab Batch ID: 990381 **QC- Sample ID:** 526801-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/15/2016 **Date Prepared:** 03/15/2016 **Analyst:** ARM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	<25.0	998	921	92	1000	926	93	1	75-125	35	
C10-C28 Diesel Range Hydrocarbons	<25.0	998	1070	107	1000	1040	104	3	75-125	35	

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

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

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

CHAIN OF CUSTODY RECORD

APEX

Office Location Midland, TX

Project Manager Karolanne Toby

Laboratory: XENCO

Address: Midland, TX

Contact:

Phone:

PO/SO #: 725010112143

Lab use only

Due Date:

Temp. of coolers when received (C°): 2.9

1 | 2 | 3 | 4 | 5

Page 1 of 1

Sampler's Name: Georgiana McSwane

Sampler's Signature:

Proj. No: 725010112143

Project Name: Chinaberry #3

No/Type of Containers: 8

ANALYSIS REQUESTED: BTEX 8021B; TPH GRO/DRO; Chloride

Lab Sample ID (Lab Use Only): 526801

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	Glass Jar	P/O	BTEX	TPH	Chloride
S	3/14/16	1600		X	CS-1		4'				X		X	X	X
		1603			CS-2		4'								
		1606			CS-3		4'								
		1609			CS-4		4								
		1615			CS-5		4'								
		1618			CS-6		6'								
		1710		X	CS-7		9'								
S	3/14/16	1740	X		SP-1	—					X		X	X	X

N.F.G 3/15/16

Turn around time ☐ Normal ☐ 25% Rush ☐ 50% Rush ☑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/15/16	0840	Julian M	3-15-16	8:40
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:
* 24 hour rush *
* NM samples *

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: APEX/Titan

Date/ Time Received: 03/15/2016 08:40:00 AM

Work Order #: 526801

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : r8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.9
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Carley Owens Date: 03/15/2016

Carley Owens

Checklist reviewed by: Kelsey Brooks Date: 03/15/2016

Kelsey Brooks

Analytical Report 528494

for

APEX/Titan

Project Manager: Karolanne Toby

Chinaberry #3

725010112143

22-APR-16

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534-15-1)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

22-APR-16

Project Manager: **Karolanne Toby**
APEX/Titan
505 N. Big Spring Ste. 301 A
Midland, TX 79701

Reference: XENCO Report No(s): **528494**
Chinaberry #3
Project Address: NM

Karolanne Toby:

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(s) 528494. 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. The uncertainty of measurement associated with the results of analysis reported is available upon request. 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. 528494 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,

Kelsey Brooks
Project Manager

Sample Cross Reference 528494

APEX/Titan, Midland, TX

Chinaberry #3

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-8	S	04-13-16 13:00	- 4 ft	528494-001
STP-2	S	04-13-16 13:20	- 0 ft	528494-002

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-992563 BTEX by EPA 8021B
Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 528471-001 S,528471-001 SD.

Certificate of Analysis Summary 528494

APEX/Titan, Midland, TX

Project Name: Chinaberry #3

Project Id: 725010112143
Contact: Karolanne Toby
Project Location: NM

Date Received in Lab: Wed Apr-13-16 04:50 pm
Report Date: 22-APR-16
Project Manager: Kelsey Brooks

Analysis Requested									
	Lab Id:	528494-001		528494-002					
	Field Id:	CS-8		STP-2					
	Depth:	4 ft		0 ft					
	Matrix:	SOIL		SOIL					
	Sampled:	Apr-13-16 13:00		Apr-13-16 13:20					
BTEX by EPA 8021B	***Extracted:***	Apr-14-16 13:30		Apr-14-16 13:30					
	Analyzed:	Apr-14-16 21:30		Apr-14-16 21:46					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		0.00237	0.00149	ND	0.00149				
Toluene		0.0192	0.00199	0.0134	0.00199				
Ethylbenzene		0.00203	0.00199	0.00653	0.00199				
m,p-Xylenes		0.0114	0.00199	0.0355	0.00199				
o-Xylene		ND	0.00298	0.0128	0.00298				
Total Xylenes		0.0114	0.00199	0.0483	0.00199				
Total BTEX		0.0350	0.00149	0.0682	0.00149				
Inorganic Anions by EPA 300/300.1	***Extracted:***	Apr-20-16 17:00		Apr-20-16 17:00					
	Analyzed:	Apr-21-16 03:46		Apr-22-16 00:47					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		39.1	10.0	78.0	10.0				
TPH by SW 8015B	***Extracted:***	Apr-14-16 14:00		Apr-14-16 14:00					
	Analyzed:	Apr-15-16 01:43		Apr-15-16 02:08					
	Units/RL:	mg/kg	RL	mg/kg	RL				
C6-C10 Gasoline Range Hydrocarbons		ND	15.0	ND	15.0				
C10-C28 Diesel Range Hydrocarbons		ND	15.0	ND	15.0				
Total TPH		ND	15.0	ND	15.0				

Kelsey Brooks
Project Manager

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this 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

	Phone	Fax
4147 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
1211 W Florida Ave, Midland, TX 79701	(432) 563-1800	(432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282	(602) 437-0330	

Form 2 - Surrogate Recoveries

Project Name: Chinaberry #3

Work Orders : 528494,

Project ID: 725010112143

Lab Batch #: 992563 **Sample:** 528494-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/14/16 21:30

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0272	0.0300	91	80-120	
4-Bromofluorobenzene	0.0279	0.0300	93	80-120	

Lab Batch #: 992563 **Sample:** 528494-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/14/16 21:46

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0264	0.0300	88	80-120	
4-Bromofluorobenzene	0.0262	0.0300	87	80-120	

Lab Batch #: 992554 **Sample:** 528494-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/15/16 01:43

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	99.8	116	70-135	
o-Terphenyl	56.8	49.9	114	70-135	

Lab Batch #: 992554 **Sample:** 528494-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/15/16 02:08

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	99.9	113	70-135	
o-Terphenyl	55.9	50.0	112	70-135	

Lab Batch #: 992563 **Sample:** 707774-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/14/16 14:46

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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	0.0303	0.0300	101	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: Chinaberry #3

Work Orders : 528494,

Project ID: 725010112143

Lab Batch #: 992554 **Sample:** 707754-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/14/16 17:44

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	100	127	70-135	
o-Terphenyl	64.4	50.0	129	70-135	

Lab Batch #: 992563 **Sample:** 707774-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/14/16 13:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0313	0.0300	104	80-120	
4-Bromofluorobenzene	0.0306	0.0300	102	80-120	

Lab Batch #: 992554 **Sample:** 707754-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/14/16 18:09

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-135	
o-Terphenyl	59.2	50.0	118	70-135	

Lab Batch #: 992563 **Sample:** 707774-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/14/16 14:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0317	0.0300	106	80-120	
4-Bromofluorobenzene	0.0336	0.0300	112	80-120	

Lab Batch #: 992554 **Sample:** 707754-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/15/16 06:22

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	56.2	50.0	112	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: Chinaberry #3

Work Orders : 528494,

Project ID: 725010112143

Lab Batch #: 992563 **Sample:** 528471-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/14/16 16:38

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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	0.0419	0.0300	140	80-120	**

Lab Batch #: 992554 **Sample:** 528471-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/14/16 19:24

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	125	99.8	125	70-135	
o-Terphenyl	57.9	49.9	116	70-135	

Lab Batch #: 992563 **Sample:** 528471-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/14/16 16:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0334	0.0300	111	80-120	
4-Bromofluorobenzene	0.0521	0.0300	174	80-120	**

Lab Batch #: 992554 **Sample:** 528471-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/14/16 19:49

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	100	126	70-135	
o-Terphenyl	58.5	50.0	117	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Chinaberry #3

Work Order #: 528494 **Project ID:** 725010112143

Analyst: PJB **Date Prepared:** 04/14/2016 **Date Analyzed:** 04/14/2016

Lab Batch ID: 992563 **Sample:** 707774-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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	<0.00150	0.100	0.0970	97	0.100	0.0999	100	3	70-130	35	
Toluene	<0.00200	0.100	0.0952	95	0.100	0.0993	99	4	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0965	97	0.100	0.0994	99	3	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.197	99	0.200	0.204	102	3	70-135	35	
o-Xylene	<0.00300	0.100	0.0982	98	0.100	0.105	105	7	71-133	35	

Analyst: MNR **Date Prepared:** 04/20/2016 **Date Analyzed:** 04/21/2016

Lab Batch ID: 992869 **Sample:** 707963-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 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
Chloride	<2.00	50.0	50.6	101	50.0	49.6	99	2	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Chinaberry #3

Work Order #: 528494 **Project ID:** 725010112143

Analyst: ARM **Date Prepared:** 04/14/2016 **Date Analyzed:** 04/14/2016

Lab Batch ID: 992554 **Sample:** 707754-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B 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	855	86	1000	943	94	10	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15.0	1000	1040	104	1000	996	100	4	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: Chinaberry #3

Work Order #: 528494

Lab Batch #: 992869 **Project ID:** 725010112143

Date Analyzed: 04/21/2016 **Date Prepared:** 04/20/2016 **Analyst:** MNR

QC- Sample ID: 528549-001 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	448	500	896	90	80-120	

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

Form 3 - MS / MSD Recoveries

Project Name: Chinaberry #3

Work Order # : 528494 **Project ID:** 725010112143

Lab Batch ID: 992563 **QC- Sample ID:** 528471-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04/14/2016 **Date Prepared:** 04/14/2016 **Analyst:** PJB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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	<0.00149	0.0992	0.0875	88	0.0998	0.0981	98	11	70-130	35	
Toluene	<0.00198	0.0992	0.0843	85	0.0998	0.0954	96	12	70-130	35	
Ethylbenzene	<0.00198	0.0992	0.0867	87	0.0998	0.0993	99	14	71-129	35	
m,p-Xylenes	<0.00198	0.198	0.184	93	0.200	0.211	106	14	70-135	35	
o-Xylene	<0.00298	0.0992	0.101	102	0.0998	0.116	116	14	71-133	35	

Lab Batch ID: 992554 **QC- Sample ID:** 528471-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04/14/2016 **Date Prepared:** 04/14/2016 **Analyst:** ARM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	<15.0	998	917	92	1000	1100	110	18	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15.0	998	959	96	1000	1130	113	16	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

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

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable

N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Sample Duplicate Recovery

Project Name: Chinaberry #3

Work Order #: 528494

Lab Batch #: 992869 **Project ID:** 725010112143

Date Analyzed: 04/21/2016 03:06 **Date Prepared:** 04/20/2016 **Analyst:** MNR

QC- Sample ID: 528549-001 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	448	433	3	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

528494

CHAIN OF CUSTODY RECORD

APEX

Office Location Midland, TX

Project Manager Lardanne Toby

Laboratory: Xenco

Address: Midland, TX

Contact:

Phone:

PO/SO #: 725010112143

Lab use only
Due Date:

Temp. of coolers when received (C°): 3.2

1	2	3	4	5

Page 1 of 1

Sampler's Name: Georgiana McSwane

Sampler's Signature:

Proj. No: 725010112143

Project Name: Chinaberry #3

No/Type of Containers: 2

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	Glass Jar	P/O	Chloride	TPH GRO/DRO	BTEX	Lab Sample ID (Lab Use Only)
S	4/13/16	1300		X	CS-8		4'				X		X	X	X	
S	4/13/16	1320	X		STP-2		-				X		X	X	X	

Turn around time ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4/13/16	1700		4/13/16	1650
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

NM samples
Normal time

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

Temp: 3.2 °C IR ID:R-8
C/F:0
Corrected Temp: 3.2C

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: APEX/Titan

Date/ Time Received: 04/13/2016 04:50:00 PM

Work Order #: 528494

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.2
#2 *Shipping container in good condition?	**N/A**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Mary Alexis Negron
Mary Negron
Date: 04/14/2016

Checklist reviewed by: Kelsey Brooks
Kelsey Brooks
Date: 04/14/2016

APPENDIX E

Initial and Final C-141

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company *Enterprise Field Services LLC*	Contact *Alena Polk*
PO Box 4324, Houston, TX 77210	Telephone No. *575-706-4926*
Facility Name *Pipeline ROW, Chinaberry*	Facility Type: *Gas Gathering Pipeline*

Surface Owner *BLM*	Mineral Owner *NA - Pipeline*	Lease No. *NA*

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	*5*	*20S*	*28E*	*390*	*North*	*120*	*West*	*Eddy*

Latitude: *32.608424* **Longitude:** *W -104.151735*

NATURE OF RELEASE

Type of Release *Natural Gas and pipeline liquid*	Volume of Release: *164 MCF gas/ 1 bbl liquids*	Volume Recovered: *N/A*
Source of Release *Pipeline Leak*	Date and Hour of Occurrence *2/27/2016 @ 11:30 MST*	Date and Hour of Discovery *2/27/2016 @ 12:30 MST*
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Natural gas and pipeline liquid was released due to a pipeline leak. Pipeline segment was isolated, blown down, and repaired following standard one-call. Approximately 1-bbl of liquid released.

Describe Area Affected and Cleanup Action Taken.*
A spill of approximately 1-bbl of pipeline liquids occurred as part of the leak. All liquids were confined to the right of way. Remediation actions will follow the Enterprise Products, General Release Notification, Response and Remediation Plan (March 9, 2015), housekeeping standards.

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: Jon Fields	OIL CONSERVATION DIVISION	
Printed Name: *Jon E. Fields*	Approved by District Supervisor:	
Title: *Director, Field Environmental*	Approval Date:	Expiration Date:
E-mail Address: *jefields@eprod.com*	Conditions of Approval:	Attached ☐
Date: *2-7-2016* Phone: *713-381-6684*		

* Attach Additional Sheets If Necessary

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
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State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ***Enterprise Field Services LLC***	Contact ***Alena Miro***
PO Box 4324, Houston, TX 77210	Telephone No. ***575-706-4926***
Facility Name ***Pipeline ROW, Chinaberry***	Facility Type: ***Gas Gathering Pipeline***

Surface Owner ***BLM***	Mineral Owner ***NA - Pipeline***	Lease No. ***NA***

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	***5***	***20S***	***28E***	***390***	***North***	***120***	***West***	***Eddy***

Latitude: ***N32.328837*** **Longitude:** ***W -104.310943***

NATURE OF RELEASE

Type of Release ***Natural Gas and pipeline liquid***	Volume of Release: ***164 MCF gas/ 8 bbl liquids***	Volume Recovered: ***N/A***
Source of Release ***Pipeline Leak***	Date and Hour of Occurrence ***2/27/2016 @ 11:30 MST***	Date and Hour of Discovery ***2/27/2016 @ 12:30 MST***
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Natural gas and pipeline liquid was released due to a pipeline leak. Pipeline segment was isolated, blown down, and repaired following standard one-call. About 1 bbls of liquid was originally thought to be released, however, after excavation it was determined that the volume of liquid was 8 bbl.

Describe Area Affected and Cleanup Action Taken.*

A liquid spill of about 8 bbl of pipeline liquids as part of the leak. All liquids were confined to the right of way. Remediation actions followed the Enterprise Products, General Release Notification, Response and Remediation Plan (March 9, 2015).

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: ***Jon E. Fields***	Approved by District Supervisor:	
Title: ***Director, Field Environmental***	Approval Date:	Expiration Date:
E-mail Address: ***jefields@eprod.com***	Conditions of Approval:	Attached ☐
Date: Phone: ***713-381-6684***		

* Attach Additional Sheets If Necessary

APPENDIX F

Waste Manifests

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Sotelo's

NON-HAZARDOUS WASTE MANIFEST NO 114352 | 1. PAGE __ OF __ | 2. TRAILER NO. # 14

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Enterprise Products	2162 Commerce	4/26/2016
PHONE NO. (432) 230-1414	CITY Midland STATE TX ZIP 79703	6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM			
b.					
c.					
d. WT: 37,420 39,240 39020					

12. COMMENTS OR SPECIAL INSTRUCTIONS: CHINA BERRY #3 T@ 115,080

13. WASTE PROFILE NO. 708582

TO

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME	PHONE NO	24-HOUR EMERGENCY NO.
Kin Slaughter	575-887-4048	

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: SOTELO'S TRUCKING	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: JOSE SOTELO	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 706-3842	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Jose Sotelo	PRINTED/TYPED NAME
SIGNATURE DATE 4/26/2016	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Santos Gonzalez		4/26/2016	9:10

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Marcel's

NON-HAZARDOUS WASTE MANIFEST NO 114353 | 1. PAGE ___ OF ___ | 2. TRAILER NO. # 07

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
Enterprise Products	2162 Commerce			4/26/2016
PHONE NO. (432) 230-1414	CITY Midland	STATE TX	ZIP 79703	6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM			
b.					
c.					
d. WT: 43,280 40,460 42,960					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
CHINA BERRY # 3 @ 126700	708582

GENERATOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME	PHONE NO	24-HOUR EMERGENCY NO.
Kin Slaughter	575-887-4048	

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: SOTELO'S TRUCKING	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: JOSE SOTELO	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 706-3842	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Andres	PRINTED/TYPED NAME
SIGNATURE DATE 4/26/2016	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Santos Gonzalez		4/26/2016	9:20

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Sotelo

NON-HAZARDOUS WASTE MANIFEST NO 114367 | 1. PAGE ___ OF ___ | 2. TRAILER NO. # 14

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Enterprise Products	2162 Commerce	4/27/2016
PHONE NO. (432) 230-1414	CITY Midland STATE TX ZIP 79703	6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. ~~Non Regulated, Non Hazardous Waste~~	1	CM			
b.					
c. WT.					
d. 38,320					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
CHINA BERRY # 3	708582

TRANSPORTER

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME	PHONE NO	24-HOUR EMERGENCY NO
Kin Slaughter	575-887-4048	

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: SOTELO'S TRUCKING	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: JOSE SOTELO	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 706-3842	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Jose Sotelo	PRINTED/TYPED NAME
SIGNATURE DATE 4/27/2016	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE 4/27/2016	TIME 9:10

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1