WORK PLAN FOR ADDITIONAL SOIL REMEDIATION & CLOSURE

Property:

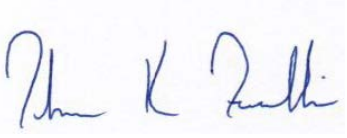
REGENCY FIELD SERVICES LLC.
Fullerton Drip Tanks
Historical Release Site
Lea County, New Mexico
Unit Letter "P", Section 35, Township 21 South, Range 37 East
Latitude 32.428502, Longitude -103.125563

December 2014
Apex Project No. 7030714G044

Prepared for:

Regency Field Services LLC
301 Commerce Street, Suite 700
Fort Worth, TX 76109
Attn: **Ms. Crystal Callaway, BSN, RN, CHMM**

Prepared by:



Thomas Franklin
Project Manager

Tim Reed
Senior Technical Review

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APPENDICES

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1.0 INTRODUCTION

1.1 Site Description & Background

Apex TITAN, Inc. (Apex) has prepared this Work Plan for the Regency Field Services, LLC (Regency) Fullerton Drip Tanks (referred to hereinafter as the "Site" or "subject Site"). This Work Plan is based upon the interpretation of the data collected by Basin Environmental (Basin) and the remedial action conducted to date by Apex.

The Fullerton Drip Tanks are located in Unit Letter P, Section 35, Township 21 South, Range 37 East, Lea County, New Mexico (GPS 32.428502, -103.125563). Regency Field Services, LLC. have acquired this pipeline and associated equipment.

Remedial actions were conducted by Apex in accordance with New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (NMOCD) rules (*NMAC 19.15.29 Release Notification*) and the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases* as guidance.

1.2 Project Objective

The objective of the Work Plan is to present documentation of the activities that were performed to date and to request approval of additional remedial activities to move the site toward closure.

1.3 Standard of Care

Apex's services are performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Apex makes no warranties, express or implied, as to the services performed hereunder. Additionally, Apex does not warrant the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services will be performed in accordance with the scope of work agreed with the client.

1.4 Reliance

This report has been prepared for the exclusive use of Regency, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Regency and Apex. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the report, and Apex's Agreement. The limitation of liability defined in the agreement is the aggregate limit of Apex's liability to the client.

2.0 SITE RANKING & PROPOSED REMEDIAL ACTION GOALS

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

In accordance with the NMOCD's *Guidelines for Remediation of Leaks, Spills and Releases*, Apex utilized the general site characteristics to determine the appropriate "ranking" for the Site. The ranking criteria and associated scoring are provided in the table below:

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 Total Ranking Score of 20. This ranking is based on the following:

- The depth to the initial groundwater-bearing zone is <50 feet at the Site.
- The impacted area is greater than 200 feet from a private domestic water source.
- Distance to the nearest surface water body is greater than 1,000 ft.

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, ethlybenzene and xylene (BTEX) and, 100 mg/Kg for total petroleum hydrocarbons (TPH).

3.0 INITIAL RESPONSE, EXCAVATION & DRILLING ACTIVITIES

3.1 Initial Response

On October 23, 2013 Basin personnel collected one sample in the area of the two (2) former above ground storage tanks as shown in Figure 3, Appendix A. The soil sample was submitted for laboratory analysis which detected elevated chloride and TPH concentrations where the former above ground storage tanks were located. Chloride concentrations at the surface were 1,060 mg/kg, TPH concentrations at the surface were 4,350 mg/kg. The Soil Analytical Summary Table as provided by Basin is located in Appendix B.

3.2 Excavation Activities

Excavation remediation activities were conducted by Apex and began in the area previously identified by Basin. Mr. Thomas Franklin, an Apex environmental professional, was present to observe on-Site activities conducted on August 27, 2014. The above ground storage tank had been removed and the outline of the historic facility was still visible. The excavation activities included removing the surface material from the above ground tanks and transporting it off site to an approved disposal facility. The final dimensions of the excavation were approximately sixty (60) feet in length, sixty (60) feet in width and one (1) to two (2) feet in depth near the center as shown on Figure 4, Appendix A. Select samples were collected in the field from the side walls and the bottom of the excavation. These samples were field screened for chlorides to ensure vertical and horizontal delineation. During the excavation activities, a visually impacted area approximately fifteen (15) feet in length and fifteen (15) feet in width was discovered. Two (2) auger holes were placed in the bottom of the excavation in an attempt to vertically define the impact. Refusal was encountered at a depth of seven (7) feet below ground surface (bgs) and deeper samples could not be collected. Approximately two hundred and sixteen (216) cubic yards (yd^3) of impacted soil was transported to Sundance Services Inc. for proper disposal, the manifests are shown in Appendix E.

3.3 Excavation Confirmation Soil Sampling Program

Four (4) side wall soil samples were collected and two (2) auger holes were installed in the excavation. One of these auger holes were installed in the center of the fifteen (15) foot by fifteen (15) foot area of impact. These samples were collected by Apex personnel and all the samples were analyzed for BTEX, TPH and chlorides. The results of the confirmation samples were compared to the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases* (Section VI A. Contaminated Soils). The four (4) confirmation sample results did not exceed the NMOCD clean-up goals as discussed in Section 2.0 above. Auger Hole Two (AH-2) did not exceed the NMOCD Guidelines for TPH and BTEX. Elevated chloride concentrations were found at depths of five (5), six (6) and seven (7) feet bgs, with concentrations of 1,320 mg/Kg, 2,990 mg/Kg and 5,100 mg/Kg, respectively. Subsequently the Site was not vertically defined.

3.4 Drilling Activities

Soil Boring activities were conducted in the area of auger hole two (AH-2). On October 20, 2014, Mr. Thomas Franklin, was present to observe on-Site activities and to collect bore hole samples. One soil bore (SB-1) as shown in Figure 4, Appendix A was installed to a depth of thirty seven (37) feet bgs, samples were collected and field screened for chlorides.

3.5 Drilling Confirmation Soil Sampling Program

Eight (8) soil samples were collected from SB-1 by Apex personnel and analyzed for chlorides. Elevated chloride concentrations were found at depths of seven (7) feet to thirty two (32) feet bgs, with the highest concentration of 28,700 mg/Kg at twelve (12) feet declining to 250 mg/Kg at thirty seven (37) feet bgs.

CHEMCIALS OF CONCERN (COCS)

Soil samples collected from the site were analyzed for chloride, BTEX and TPH by EPA Methods E300, SW846-8021B and SW846-8015, respectively. Sample results do not exceed the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases*. Elevated chlorides were observed in the fifteen (15) foot by fifteen (15) foot impacted area with concentrations above two hundred and fifty (250) mg/kg to a depth of thirty seven (37) feet bgs. Copies of the table inclusive of the sampling is included in Appendix B.

4.0 LABORATORY ANALYTICAL METHODS

The samples were analyzed for TPH GRO/DRO utilizing EPA method SW-846 8015, BTEX using EPA method SW-846 8021B and chlorides utilizing EPA method SW-846 300.1. Copies of the laboratory analysis are provided in Appendix D.

Soil samples were collected and placed in laboratory prepared glassware, placed on ice in a cooler. The sample coolers and completed chain-of-custody forms were relinquished to Trace Analysis, Inc. in Midland, Texas for normal turn-around time.

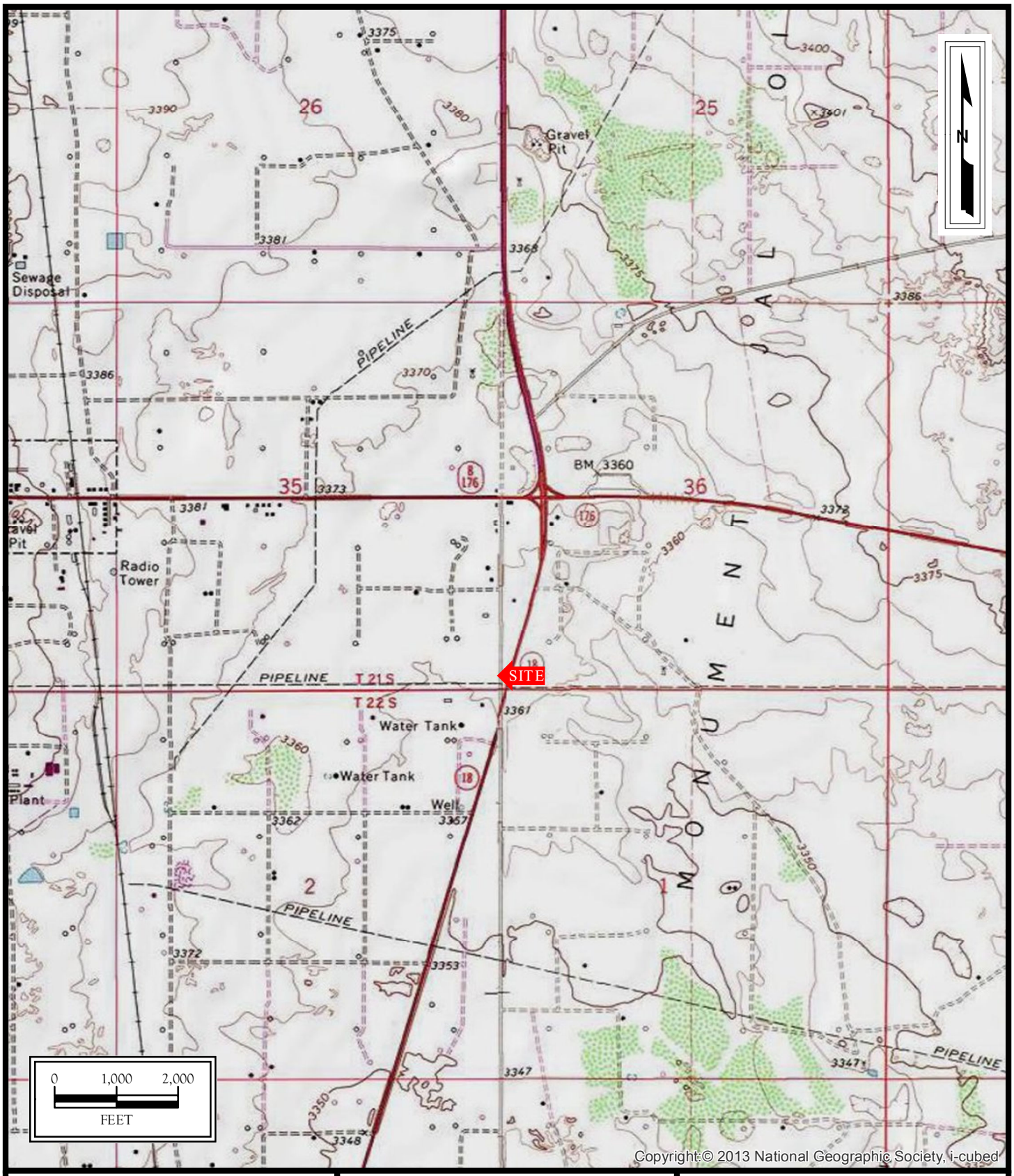
Figure 4 is a Site plan that indicates the approximate location of the confirmation soil samples, hand auger and soil bore samples in relation to pertinent land features and general Site boundaries, which is included in Appendix A.

5.0 WORKPLAN

Apex proposes to excavate the impacted area which measures approximately fifteen (15) feet in length and fifteen (15) feet in width to a depth of seventeen (17) feet bgs, as highlighted in Table 1, Appendix B and shown in Figure 4, Appendix A. Confirmation samples will be collected from the side walls of the excavation and sent to Trace Analysis to be analyzed for chlorides. The excavated soil will be transported offsite to an approved facility for proper disposal. The excavation will then be backfilled with clean material to four (4) foot bgs, and a twenty (20) mil liner will be installed preventing the future migration of the residual chloride impact. The excavated area will then be backfill with clean material to grade and the surface will be restored. Remedial activities will commence pending the approval of the NMOCD. The Initial C-141 is located in Appendix F.

APPENDIX A

Figures



Regency - Fullerton Drip Tanks
Lea County, New Mexico
32.428531N, 103.125554W

Project No. 7030714G044.001

Apex TITAN, Inc.
505 N. Big Spring Street, Suite 301A
Midland, Texas 79701
Phone: (432) 695-6016
www.apexcos.com
A Subsidiary of Apex Companies, LLC

FIGURE 1
Topographic Map

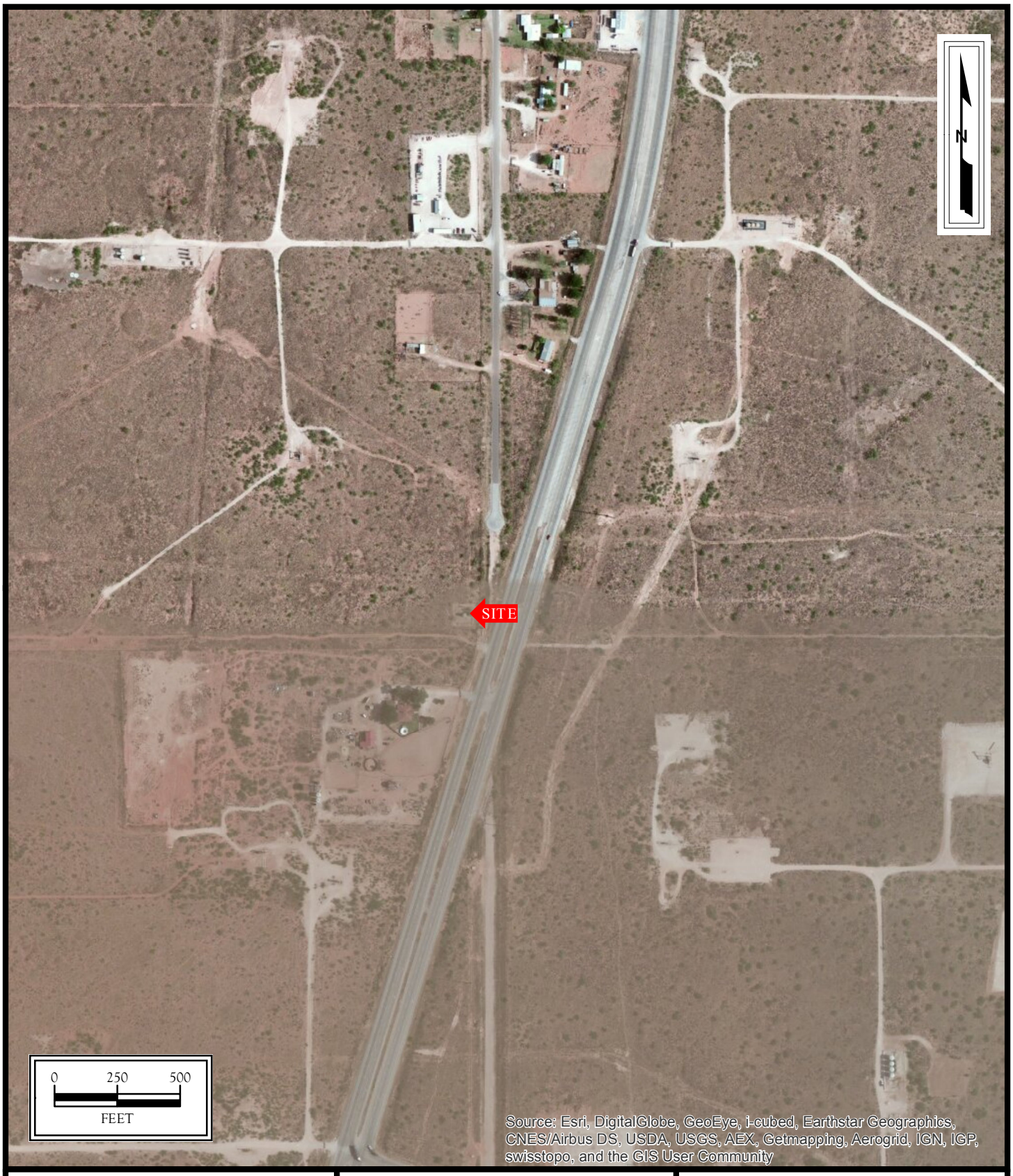


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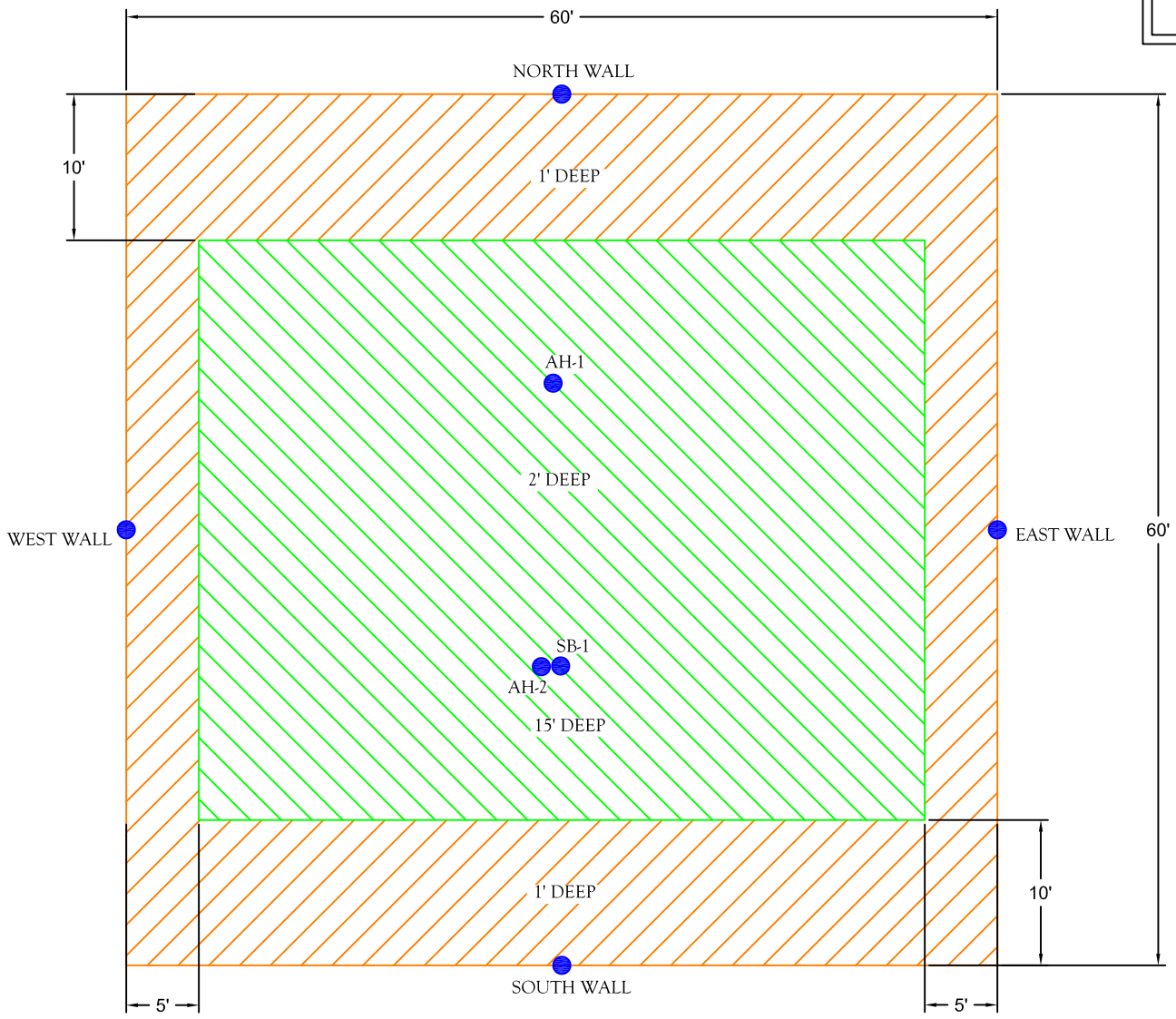
FIGURE 2
Site Vicinity Map



LEGEND:

- SAMPLE LOCATION
- EXTENT OF EXCAVATION (1' DEEP)
- EXTENT OF EXCAVATION (2' DEEP)

0 6 12

1" = 12'

Regency - Fullerton Drip Tanks
Lea County, New Mexico
32.428531N, 103.125554W

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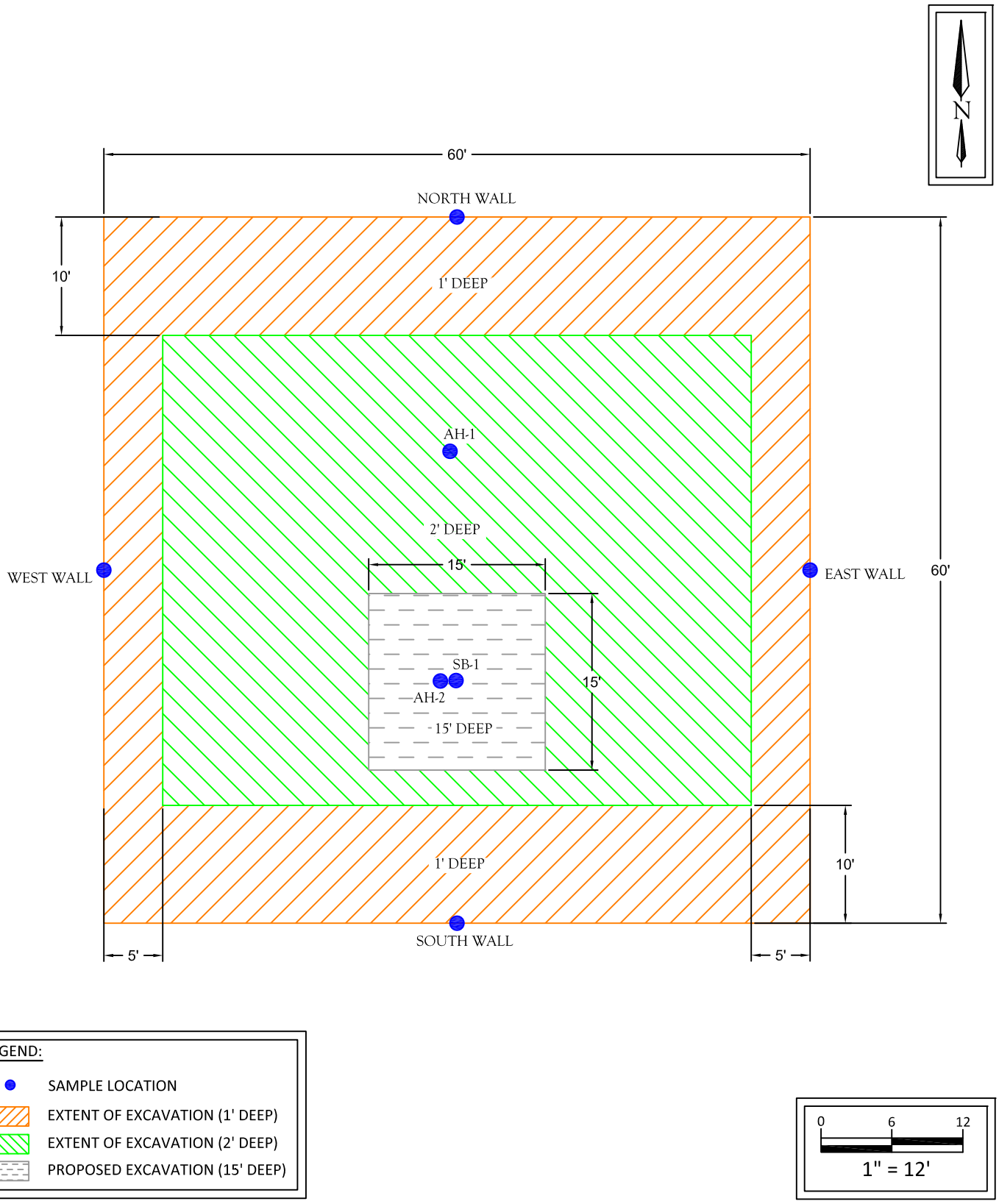
FIGURE 3
Site Map

Z:\Houston South\Drafting\Midland 07\2014\7030714G044\Figure 3.dwg 11/07/14



LEGEND:

- SAMPLE LOCATION
- EXTENT OF EXCAVATION (1' DEEP)
- EXTENT OF EXCAVATION (2' DEEP)
- PROPOSED EXCAVATION (15' DEEP)

0 6 12

1" = 12'

Regency - Fullerton Drip Tanks
Lea County, New Mexico
32.428531N, 103.125554W

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FIGURE 4
Proposed Excavation Map

Z:\Houston South\Drafting\Midland 07\2014\7030714G044\Figure 3.dwg 11/07/14

APPENDIX B

Soil Analytical Summary Table

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
FULLERTON DRIP TANK HISTORICAL
HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCD REF: # N/A

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C_6-C_{28} (mg/Kg)	EPA: 300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	ORO C_{28}-C_{35} (mg/Kg)		CHLORIDE (mg/Kg)
SP#1 @ 1'	1'	10/23/2013	In-Situ	<0.00111	0.00317	0.0352	0.0358	0.0742	445.0	3,900	<16.7	**4,350**	**1,060**
NMOCD Standard				**10**				**50**				**100**	**250**

- = Not analyzed.

TABLE 1
REGENCY - FULLERTON DRIP TANK
ANALYTICAL RESULTS

Sample ID	Date	Sample Depth (feet)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	Total BTEX (mg/Kg)	TPH (DRO) (mg/Kg)	TPH (GRO) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
NMOCD - *Guidelines for Remediation of Leaks, Spills and Releases*			***10***	**NE**	**NE**	**NE**	***50***	**NE**		***100***	***250***
EXCAVATION CONFIRMATION SAMPLES											
East Side Wall	08/27/2014	0.5-1'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00	<50.0	99
North Side Wall	08/27/2014	0.5-1'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00	<50.0	149
South Side Wall	08/27/2014	0.5-1'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00	<50.0	50
West Side Wall	08/28/2014	0.5-1'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00	<50.0	<20
HAND AUGER CONFIRMATION SAMPLES											
AH-1 (2' BEB)	08/28/2014	0-1'	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<50.0	<8.00	<50.0	<20
AH-1 (2' BEB)	08/28/2014	1-1.5'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00	<50.0	149
AH-2 (2' BEB)	08/28/2014	0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	126	<4.00	**126**	<20
AH-2 (2' BEB)	08/28/2014	1-1.5'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	199	<4.00	**199**	**441**
AH-2 (2' BEB)	08/28/2014	2-2.5'	<0.100	<0.100	<0.100	<0.100	<0.100	612	<20.0	**612**	196
AH-2 (2' BEB)	08/28/2014	3-3.5'	<0.100	<0.100	<0.100	0.103	0.103	3370	68.6	**3438**	**1320**
AH-2 (2' BEB)	08/28/2014	4-4.5'	<0.0200	<0.0200	<0.0200	0.0458	0.0458	132	11	**143**	**2990**
AH-2 (2' BEB)	08/28/2014	5-5.5'	<0.0200	<0.0200	0.0304	0.131	0.1614	60.5	16.9	77.4	**5100**
SOIL BORINGS											
SB-1 (2' BEB)	10/20/2014	4-5'	NE	NE	NE	NE	NE	NE	NE	NE	**4620**
SB-1 (2' BEB)	10/20/2014	6-7'	NE	NE	NE	NE	NE	NE	NE	NE	**10100**
SB-1 (2' BEB)	10/20/2014	9-10'	NE	NE	NE	NE	NE	NE	NE	NE	**28700**
SB-1 (2' BEB)	10/20/2014	14-15'	NE	NE	NE	NE	NE	NE	NE	NE	**15700**
SB-1 (2' BEB)	10/20/2014	19-20'	NE	NE	NE	NE	NE	NE	NE	NE	**4760**
SB-1 (2' BEB)	10/20/2014	24-25'	NE	NE	NE	NE	NE	NE	NE	NE	**2380**
SB-1 (2' BEB)	10/20/2014	29-30'	NE	NE	NE	NE	NE	NE	NE	NE	**352**
SB-1 (2' BEB)	10/20/2014	34-35'	NE	NE	NE	NE	NE	NE	NE	NE	250

mg/Kg- milligrams per Kilograms

NE - Not Established

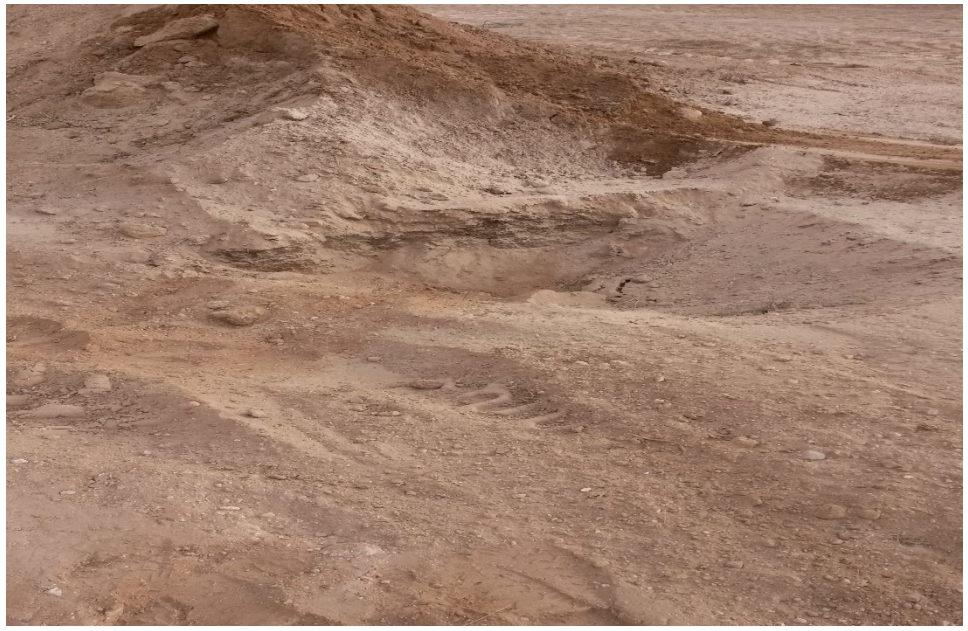
Concentrations in Bold exceed the NMOCD Guidelines

Proposed Excavated Depths

APPENDIX C

Photos

View West – Surface Scrape of Drip Tanks



View West – Area of Soil Bore

APPENDIX D

Laboratory Analysis and Chain-of-Custody

Certificate of Analysis Summary 472754

Regency Gas, Monahans, TX

Project Name: Fullerton Drip Tanks Historical

Draft

Project Id:
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Wed Oct-23-13 01:45 pm
Report Date: 28-OCT-13
Project Manager: Kelsey Brooks

Analysis Requested								
	Lab Id:	472754-001						
	Field Id:	SP# @ 1'						
	Depth:							
	Matrix:	SOIL						
	Sampled:	Oct-23-13 10:40						
BTEX by EPA 8021B	***Extracted:***	Oct-25-13 17:00						
	Analyzed:	Oct-25-13 23:31						
	Units/RL:	mg/kg	RL					
Benzene		ND	0.00111					
Toluene		0.00317	0.00222					
Ethylbenzene		0.0352	0.00111					
m,p-Xylenes		0.0358	0.00222					
o-Xylene		ND	0.00111					
Total Xylenes		0.0358	0.00111					
Total BTEX		0.0742	0.00111					
Inorganic Anions by EPA 300/300.1	***Extracted:***	Oct-25-13 10:00						
	Analyzed:	Oct-25-13 16:25						
	Units/RL:	mg/kg	RL					
Chloride		1060	44.6					
Percent Moisture	***Extracted:***							
	Analyzed:	Oct-24-13 15:40						
	Units/RL:	%	RL					
Percent Moisture		10.4	1.00					
TPH By SW8015 Mod	***Extracted:***	Oct-24-13 18:00						
	Analyzed:	Oct-25-13 03:34						
	Units/RL:	mg/kg	RL					
C6-C12 Gasoline Range Hydrocarbons		445	16.7					
C12-C28 Diesel Range Hydrocarbons		3900	16.7					
C28-C35 Oil Range Hydrocarbons		ND	16.7					
Total TPH		4350	16.7					

Alejandro Montoya
Odessa Laboratory Director

Analytical Report 472754

for

Regency Gas

Project Manager: Joel Lowry

Fullerton Drip Tanks Historical

28-OCT-13

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-13-15-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), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
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)

28-OCT-13

Project Manager: **Joel Lowry**
Regency Gas
801 South Loop 464
Monahans, TX 79756

Reference: XENCO Report No(s): **472754**
Fullerton Drip Tanks Historical
Project Address: Lea County, NM

Joel Lowry:

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) 472754. 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. 472754 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

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 472754

Regency Gas, Monahans, TX

Fullerton Drip Tanks Historical

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP# @ 1'	S	10-23-13 10:40		472754-001

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 472754

Regency Gas, Monahans, TX

Project Name: Fullerton Drip Tanks Historical

Project Id:
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Wed Oct-23-13 01:45 pm
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	Lab Id:	472754-001					
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	Depth:						
	Matrix:	SOIL					
	Sampled:	Oct-23-13 10:40					
BTEX by EPA 8021B	***Extracted:***	Oct-25-13 17:00					
	Analyzed:	Oct-25-13 23:31					
	Units/RL:	mg/kg	RL				
Benzene		ND	0.00111				
Toluene		0.00317	0.00222				
Ethylbenzene		0.0352	0.00111				
m,p-Xylenes		0.0358	0.00222				
o-Xylene		ND	0.00111				
Total Xylenes		0.0358	0.00111				
Total BTEX		0.0742	0.00111				
Inorganic Anions by EPA 300/300.1	***Extracted:***	Oct-25-13 10:00					
	Analyzed:	Oct-25-13 16:25					
	Units/RL:	mg/kg	RL				
Chloride		1060	44.6				
Percent Moisture	***Extracted:***						
	Analyzed:	Oct-24-13 15:40					
	Units/RL:	%	RL				
Percent Moisture		10.4	1.00				
TPH By SW8015 Mod	***Extracted:***	Oct-24-13 18:00					
	Analyzed:	Oct-25-13 03:34					
	Units/RL:	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		445	16.7				
C12-C28 Diesel Range Hydrocarbons		3900	16.7				
C28-C35 Oil Range Hydrocarbons		ND	16.7				
Total TPH		4350	16.7				

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 quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

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

Form 2 - Surrogate Recoveries

Project Name: Fullerton Drip Tanks Historical

Work Orders : 472754,

Project ID:

Lab Batch #: 926041 **Sample:** 472754-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/25/13 03:34

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	99.8	126	70-135	
o-Terphenyl	62.3	49.9	125	70-135	

Lab Batch #: 926183 **Sample:** 472754-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/25/13 23:31

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	0.0291	0.0300	97	80-120	

Lab Batch #: 926041 **Sample:** 645922-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/24/13 21:20

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.6	100	93	70-135	
o-Terphenyl	44.2	50.0	88	70-135	

Lab Batch #: 926183 **Sample:** 645979-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/25/13 22:27

SURROGATE RECOVERY STUDY

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

Lab Batch #: 926041 **Sample:** 645922-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/24/13 20:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	85.1	100	85	70-135	
o-Terphenyl	48.6	50.0	97	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: Fullerton Drip Tanks Historical

Work Orders : 472754,

Project ID:

Lab Batch #: 926183 **Sample:** 645979-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/25/13 21:39

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0298	0.0300	99	80-120	
4-Bromofluorobenzene	0.0328	0.0300	109	80-120	

Lab Batch #: 926041 **Sample:** 645922-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/24/13 20:54

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	100	121	70-135	
o-Terphenyl	58.2	50.0	116	70-135	

Lab Batch #: 926183 **Sample:** 645979-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/25/13 21:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	80-120	
4-Bromofluorobenzene	0.0326	0.0300	109	80-120	

Lab Batch #: 926041 **Sample:** 472753-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/25/13 00:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.7	107	70-135	
o-Terphenyl	60.3	49.9	121	70-135	

Lab Batch #: 926183 **Sample:** 472753-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/26/13 01:23

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	0.0330	0.0300	110	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: Fullerton Drip Tanks Historical

Work Orders : 472754,

Project ID:

Lab Batch #: 926041 **Sample:** 472753-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/25/13 01:08

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.2	99.8	97	70-135	
o-Terphenyl	57.8	49.9	116	70-135	

Lab Batch #: 926183 **Sample:** 472753-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/26/13 01:39

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0285	0.0300	95	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	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: Fullerton Drip Tanks Historical

Work Order #: 472754 **Project ID:**

Analyst: ARM **Date Prepared:** 10/25/2013 **Date Analyzed:** 10/25/2013

Lab Batch ID: 926183 **Sample:** 645979-1-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	<0.00100	0.100	0.0903	90	0.100	0.0894	89	1	70-130	35	
Toluene	<0.00200	0.100	0.0915	92	0.100	0.0901	90	2	70-130	35	
Ethylbenzene	<0.00100	0.100	0.0951	95	0.100	0.0941	94	1	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.193	97	0.200	0.191	96	1	70-135	35	
o-Xylene	<0.00100	0.100	0.0982	98	0.100	0.0974	97	1	71-133	35	

Analyst: AMB **Date Prepared:** 10/25/2013 **Date Analyzed:** 10/25/2013

Lab Batch ID: 926161 **Sample:** 646017-1-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	46.1	92	50.0	47.2	94	2	80-120	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: Fullerton Drip Tanks Historical

Work Order #: 472754 **Project ID:**

Analyst: ARM **Date Prepared:** 10/24/2013 **Date Analyzed:** 10/24/2013

Lab Batch ID: 926041 **Sample:** 645922-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod 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-C12 Gasoline Range Hydrocarbons	<15.0	1000	1040	104	1000	1290	129	21	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	1040	104	1000	1280	128	21	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: Fullerton Drip Tanks Historical

Work Order #: 472754

Lab Batch #: 926161

Project ID:

Date Analyzed: 10/25/2013 **Date Prepared:** 10/25/2013 **Analyst:** AMB

QC- Sample ID: 472752-001 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	9.53	51.6	57.4	93	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: Fullerton Drip Tanks Historical

Work Order # : 472754 **Project ID:**

Lab Batch ID: 926183 **QC- Sample ID:** 472753-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/26/2013 **Date Prepared:** 10/25/2013 **Analyst:** ARM

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	<0.00110	0.110	0.0934	85	0.109	0.0936	86	0	70-130	35	
Toluene	<0.00220	0.110	0.0932	85	0.109	0.0936	86	0	70-130	35	
Ethylbenzene	<0.00110	0.110	0.0936	85	0.109	0.0945	87	1	71-129	35	
m,p-Xylenes	<0.00220	0.220	0.184	84	0.218	0.190	87	3	70-135	35	
o-Xylene	<0.00110	0.110	0.0965	88	0.109	0.0980	90	2	71-133	35	

Lab Batch ID: 926041 **QC- Sample ID:** 472753-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/25/2013 **Date Prepared:** 10/24/2013 **Analyst:** ARM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod 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-C12 Gasoline Range Hydrocarbons	<16.4	1100	1300	118	1100	1230	112	6	70-135	35	
C12-C28 Diesel Range Hydrocarbons	31.1	1100	1310	116	1100	1230	109	6	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: Fullerton Drip Tanks Historical

Work Order #: 472754

Lab Batch #: 925982 **Project ID:**

Date Analyzed: 10/24/2013 15:40 **Date Prepared:** 10/24/2013 **Analyst:** WRU

QC- Sample ID: 472748-001 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	1.98	1.92	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

Xenco Laboratories

472754

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: Joel Lowry

Company Name: Basin Environmental Service Technologies, LLC

Company Address: P.O. Box 301

City/State/Zip: Lovington, NM 88260

Telephone No: (575)396-2378 Fax No: (575) 396-1429

Sampler Signature: Joel Lowry

Project Name: Fullerton Drip Tanks Historical

Project #:

Project Loc: Lea County, NM

PO #:

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

e-mail: cyndi.inskeep@regencygas.com, pm@basinenv.com, rachel.johnson@sug.com

(lab use only)

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Soil NP=Non-Potable Specify Othe	Analyze For: TCLP: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	CHLORIDES	Total Dissolved Solids		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
	SPH1 @1'			10/23/13	10:40		1	X								S	X							X			X				X

Special Instructions:

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 12.3 °C

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	10/23/13	12:00		10-23-13	12:00
	10/23/13	1:45		10/23/13	1:45
	Date	Time	Received by ELOT:	Date	Time
				10-24-13	13:00

via Fedex

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Regency Gas

Date/ Time Received: 10/23/2013 01:45:00 PM

Work Order #: 472754

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

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	12.3
#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)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**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: Candace James Date: 10/24/2013
Candace James

Checklist reviewed by: Kelsey Brooks Date: 10/24/2013
Kelsey Brooks

Summary Report

Thomas Franklin
APEX/Titan
2351 W. Northwest Hwy.
Suite 3321
Dallas, Tx 75220

Report Date: September 10, 2014

Work Order: 14082929

Project Location: Lea Co, NM
Project Name: Fullerton Drip Tank
Project Number: 7030714G044

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
373329	East Side Wall	soil	2014-08-27	10:00	2014-08-29
373330	North Side Wall	soil	2014-08-27	11:00	2014-08-29
373331	South Side Wall	soil	2014-08-27	15:00	2014-08-29
373332	West Side Wall	soil	2014-08-28	16:00	2014-08-29
373333	AH-1 0-1' 2' BEB	soil	2014-08-28	13:30	2014-08-29
373334	AH-1 1-1.5' 2' BEB	soil	2014-08-28	13:31	2014-08-29
373335	AH-2 0-1' 2' BEB	soil	2014-08-28	13:32	2014-08-29
373336	AH-2 1-1.5' 2' BEB	soil	2014-08-28	13:35	2014-08-29
373337	AH-2 2-2.5' 2' BEB	soil	2014-08-28	13:36	2014-08-29
373338	AH-2 3-3.5' 2' BEB	soil	2014-08-28	13:37	2014-08-29
373339	AH-2 4-4.5' 2' BEB	soil	2014-08-28	13:38	2014-08-29
373340	AH-2 5-5.5' 2' BEB	soil	2014-08-28	13:39	2014-08-29

	BTEX				TPH DRO - NEW	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
373329 - East Side Wall	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00
373330 - North Side Wall	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00
373331 - South Side Wall	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00
373332 - West Side Wall	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00
373333 - AH-1 0-1' 2' BEB	<0.0400 [1]	<0.0400	<0.0400	<0.0400	<50.0	<8.00 [2]
373334 - AH-1 1-1.5' 2' BEB	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00
373335 - AH-2 0-1' 2' BEB	<0.0200	<0.0200	<0.0200	<0.0200	**126**	<4.00
373336 - AH-2 1-1.5' 2' BEB	<0.0200	<0.0200	<0.0200	<0.0200	**199**	<4.00

continued ...

[1]Sample dilution due to turbidity.
[2]Sample dilution due to turbidity.

. . . continued

Sample - Field Code	BTEX Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
373337 - AH-2 2-2.5' 2' BEB	<0.100 [3]	<0.100	<0.100	<0.100	**612**	<20.0 [4]
373338 - AH-2 3-3.5' 2' BEB	<0.100 [5]	<0.100	<0.100	**0.103**	**3370**	**68.6**
373339 - AH-2 4-4.5' 2' BEB	<0.0200	<0.0200	<0.0200	**0.0458**	**132**	**11.0**
373340 - AH-2 5-5.5' 2' BEB	<0.0200	<0.0200	**0.0304**	**0.131**	**60.5**	**16.9**

Sample: 373329 - East Side Wall

Param	Flag	Result	Units	RL
Chloride		**99.0**	mg/Kg	4

Sample: 373330 - North Side Wall

Param	Flag	Result	Units	RL
Chloride		**149**	mg/Kg	4

Sample: 373331 - South Side Wall

Param	Flag	Result	Units	RL
Chloride		**50.0**	mg/Kg	4

Sample: 373332 - West Side Wall

Param	Flag	Result	Units	RL
Chloride		<20.0	mg/Kg	4

Sample: 373333 - AH-1 0-1' 2' BEB

Param	Flag	Result	Units	RL
Chloride		<20.0	mg/Kg	4

Sample: 373334 - AH-1 1-1.5' 2' BEB

Param	Flag	Result	Units	RL
Chloride		**149**	mg/Kg	4

[3]Sample dilution due to surfactants.
[4]Sample dilution due to surfactants.
[5]Sample dilution due to hydrocarbons.

Sample: 373335 - AH-2 0-1' 2' BEB

Param	Flag	Result	Units	RL
Chloride		<20.0	mg/Kg	4

Sample: 373336 - AH-2 1-1.5' 2' BEB

Param	Flag	Result	Units	RL
Chloride		**441**	mg/Kg	4

Sample: 373337 - AH-2 2-2.5' 2' BEB

Param	Flag	Result	Units	RL
Chloride		**196**	mg/Kg	4

Sample: 373338 - AH-2 3-3.5' 2' BEB

Param	Flag	Result	Units	RL
Chloride		**1320**	mg/Kg	4

Sample: 373339 - AH-2 4-4.5' 2' BEB

Param	Flag	Result	Units	RL
Chloride		**2990**	mg/Kg	4

Sample: 373340 - AH-2 5-5.5' 2' BEB

Param	Flag	Result	Units	RL
Chloride		**5100**	mg/Kg	4

TRACEANALYSIS, INC.

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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Thomas Franklin
APEX/Titan
2351 W. Northwest Hwy.
Suite 3321
Dallas, Tx, 75220

Report Date: September 10, 2014

Work Order: 14082929

Project Location: Lea Co, NM
Project Name: Fullerton Drip Tank
Project Number: 7030714G044

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
373329	East Side Wall	soil	2014-08-27	10:00	2014-08-29
373330	North Side Wall	soil	2014-08-27	11:00	2014-08-29
373331	South Side Wall	soil	2014-08-27	15:00	2014-08-29
373332	West Side Wall	soil	2014-08-28	16:00	2014-08-29
373333	AH-1 0-1' 2' BEB	soil	2014-08-28	13:30	2014-08-29
373334	AH-1 1-1.5' 2' BEB	soil	2014-08-28	13:31	2014-08-29
373335	AH-2 0-1' 2' BEB	soil	2014-08-28	13:32	2014-08-29
373336	AH-2 1-1.5' 2' BEB	soil	2014-08-28	13:35	2014-08-29
373337	AH-2 2-2.5' 2' BEB	soil	2014-08-28	13:36	2014-08-29
373338	AH-2 3-3.5' 2' BEB	soil	2014-08-28	13:37	2014-08-29
373339	AH-2 4-4.5' 2' BEB	soil	2014-08-28	13:38	2014-08-29
373340	AH-2 5-5.5' 2' BEB	soil	2014-08-28	13:39	2014-08-29

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

Report Contents

Case Narrative

Samples for project Fullerton Drip Tank were received by TraceAnalysis, Inc. on 2014-08-29 and assigned to work order 14082929. Samples for work order 14082929 were received intact at a temperature of 4.1 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	97371	2014-09-03 at 12:54	115141	2014-09-03 at 12:54
Chloride (Titration)	SM 4500-Cl B	97308	2014-08-30 at 10:00	115071	2014-08-30 at 11:30
Chloride (Titration)	SM 4500-Cl B	97311	2014-08-31 at 15:42	115073	2014-08-31 at 17:15
TPH DRO - NEW	S 8015 D	97378	2014-09-03 at 14:00	115148	2014-09-04 at 09:32
TPH DRO - NEW	S 8015 D	97518	2014-09-09 at 14:00	115318	2014-09-10 at 09:29
TPH GRO	S 8015 D	97371	2014-09-03 at 12:54	115142	2014-09-03 at 12:54

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 14082929 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 373329 - East Side Wall

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Toluene	Jb	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Ethylbenzene		1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Xylene	Jb	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.69	mg/Kg	1	2.00	84	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.92	mg/Kg	1	2.00	96	59.5 - 120

Sample: 373329 - East Side Wall

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115071	Date Analyzed:	2014-08-30	Analyzed By:	MM
Prep Batch:	97308	Sample Preparation:	2014-08-30	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**99.0**	mg/Kg	5	4.00

Sample: 373329 - East Side Wall

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115148	Date Analyzed:	2014-09-04	Analyzed By:	SM
Prep Batch:	97378	Sample Preparation:	2014-09-03	Prepared By:	SM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	113	mg/Kg	1	100	113	70 - 130

Sample: 373329 - East Side Wall

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	1,2,3,4	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	1.97	mg/Kg	1	2.00	98	73 - 122
4-Bromofluorobenzene (4-BFB)		3	2.05	mg/Kg	1	2.00	102	74.6 - 120

Sample: 373330 - North Side Wall

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Toluene	Jb	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Xylene	Jb	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.80	mg/Kg	1	2.00	90	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.90	mg/Kg	1	2.00	95	59.5 - 120

Sample: 373330 - North Side Wall

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115071	Date Analyzed:	2014-08-30	Analyzed By:	MM
Prep Batch:	97308	Sample Preparation:	2014-08-30	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**149**	mg/Kg	5	4.00

Sample: 373330 - North Side Wall

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115318	Date Analyzed:	2014-09-10	Analyzed By:	SM
Prep Batch:	97518	Sample Preparation:	2014-09-09	Prepared By:	SM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO		1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	114	mg/Kg	1	100	114	70 - 130

Sample: 373330 - North Side Wall

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO	U	1,2,3,4	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	2.01	mg/Kg	1	2.00	100	73 - 122
4-Bromofluorobenzene (4-BFB)		3	2.01	mg/Kg	1	2.00	100	74.6 - 120

Sample: 373331 - South Side Wall

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Toluene	Jb	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Ethylbenzene		1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Xylene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.46	mg/Kg	1	2.00	73	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.78	mg/Kg	1	2.00	89	59.5 - 120

Sample: 373331 - South Side Wall

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115071	Date Analyzed:	2014-08-30	Analyzed By:	MM
Prep Batch:	97308	Sample Preparation:	2014-08-30	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**50.0**	mg/Kg	5	4.00

Sample: 373331 - South Side Wall

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115318	Date Analyzed:	2014-09-10	Analyzed By:	SM
Prep Batch:	97518	Sample Preparation:	2014-09-09	Prepared By:	SM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO		1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	111	mg/Kg	1	100	111	70 - 130

Sample: 373331 - South Side Wall

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO	U	1,2,3,4	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	1.62	mg/Kg	1	2.00	81	73 - 122
4-Bromofluorobenzene (4-BFB)		3	1.89	mg/Kg	1	2.00	94	74.6 - 120

Sample: 373332 - West Side Wall

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Toluene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Xylene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.87	mg/Kg	1	2.00	94	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.83	mg/Kg	1	2.00	92	59.5 - 120

Sample: 373332 - West Side Wall

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115071	Date Analyzed:	2014-08-30	Analyzed By:	MM
Prep Batch:	97308	Sample Preparation:	2014-08-30	Prepared By:	MM

continued ...

sample 373332 continued . . .

Parameter	Flag	Cert	RL Result	Units	Dilution	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride	U		<20.0	mg/Kg	5	4.00

Sample: 373332 - West Side Wall

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115148	Date Analyzed:	2014-09-04	Analyzed By:	SM
Prep Batch:	97378	Sample Preparation:	2014-09-03	Prepared By:	SM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	104	mg/Kg	1	100	104	70 - 130

Sample: 373332 - West Side Wall

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	1,2,3,4	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	2.10	mg/Kg	1	2.00	105	73 - 122
4-Bromofluorobenzene (4-BFB)		3	1.94	mg/Kg	1	2.00	97	74.6 - 120

Sample: 373333 - AH-1 0-1' 2' BEB

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene [1]	U	1,2,3,4,5	<0.0400	mg/Kg	2	0.0200
Toluene	U	1,2,3,4,5	<0.0400	mg/Kg	2	0.0200
Ethylbenzene	U	1,2,3,4,5	<0.0400	mg/Kg	2	0.0200
Xylene	U	1,2,3,4,5	<0.0400	mg/Kg	2	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.43	mg/Kg	2	2.00	72	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.68	mg/Kg	2	2.00	84	59.5 - 120

Sample: 373333 - AH-1 0-1' 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115071	Date Analyzed:	2014-08-30	Analyzed By:	MM
Prep Batch:	97308	Sample Preparation:	2014-08-30	Prepared By:	MM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride	U		<20.0	mg/Kg	5	4.00

Sample: 373333 - AH-1 0-1' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115148	Date Analyzed:	2014-09-04	Analyzed By:	SM
Prep Batch:	97378	Sample Preparation:	2014-09-03	Prepared By:	SM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	108	mg/Kg	1	100	108	70 - 130

Sample: 373333 - AH-1 0-1' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO [2]	U	1,2,3,4	<8.00	mg/Kg	2	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	1.60	mg/Kg	2	2.00	80	73 - 122
4-Bromofluorobenzene (4-BFB)		3	1.83	mg/Kg	2	2.00	92	74.6 - 120

Sample: 373334 - AH-1 1-1.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Toluene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Ethylbenzene		1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Xylene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.98	mg/Kg	1	2.00	99	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.92	mg/Kg	1	2.00	96	59.5 - 120

Sample: 373334 - AH-1 1-1.5' 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115071	Date Analyzed:	2014-08-30	Analyzed By:	MM
Prep Batch:	97308	Sample Preparation:	2014-08-30	Prepared By:	MM

continued ...

sample 373334 continued . . .

Parameter	Flag	Cert	RL Result	Units	Dilution	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			**149**	mg/Kg	5	4.00

Sample: 373334 - AH-1 1-1.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115148	Date Analyzed:	2014-09-04	Analyzed By:	SM
Prep Batch:	97378	Sample Preparation:	2014-09-03	Prepared By:	SM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1,2,3,4	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	104	mg/Kg	1	100	104	70 - 130

Sample: 373334 - AH-1 1-1.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	1,2,3,4	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	2.26	mg/Kg	1	2.00	113	73 - 122
4-Bromofluorobenzene (4-BFB)		3	2.00	mg/Kg	1	2.00	100	74.6 - 120

Sample: 373335 - AH-2 0-1' 2' BEB

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Toluene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Xylene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.58	mg/Kg	1	2.00	79	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.69	mg/Kg	1	2.00	84	59.5 - 120

Sample: 373335 - AH-2 0-1' 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115073	Date Analyzed:	2014-08-31	Analyzed By:	MM
Prep Batch:	97311	Sample Preparation:	2014-08-31	Prepared By:	MM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride	U		<20.0	mg/Kg	5	4.00

Sample: 373335 - AH-2 0-1' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115318	Date Analyzed:	2014-09-10	Analyzed By:	SM
Prep Batch:	97518	Sample Preparation:	2014-09-09	Prepared By:	SM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1,2,3,4	**126**	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr	3	137	mg/Kg	1	100	137	70 - 130

Sample: 373335 - AH-2 0-1' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO	U	1,2,3,4	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	1.81	mg/Kg	1	2.00	90	73 - 122
4-Bromofluorobenzene (4-BFB)		3	1.78	mg/Kg	1	2.00	89	74.6 - 120

Sample: 373336 - AH-2 1-1.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Toluene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Xylene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.76	mg/Kg	1	2.00	88	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.76	mg/Kg	1	2.00	88	59.5 - 120

Sample: 373336 - AH-2 1-1.5' 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115073	Date Analyzed:	2014-08-31	Analyzed By:	MM
Prep Batch:	97311	Sample Preparation:	2014-08-31	Prepared By:	MM

continued ...

sample 373336 continued . . .

Parameter	Flag	Cert	RL Result	Units	Dilution	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			**441**	mg/Kg	5	4.00

Sample: 373336 - AH-2 1-1.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115318	Date Analyzed:	2014-09-10	Analyzed By:	SM
Prep Batch:	97518	Sample Preparation:	2014-09-09	Prepared By:	SM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1,2,3,4	**199**	mg/Kg	1	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr	3	132	mg/Kg	1	100	132	70 - 130

Sample: 373336 - AH-2 1-1.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	1,2,3,4	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	1.98	mg/Kg	1	2.00	99	73 - 122
4-Bromofluorobenzene (4-BFB)		3	1.88	mg/Kg	1	2.00	94	74.6 - 120

Sample: 373337 - AH-2 2-2.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene [3]	U	1,2,3,4,5	<0.100	mg/Kg	5	0.0200
Toluene	U	1,2,3,4,5	<0.100	mg/Kg	5	0.0200
Ethylbenzene	U	1,2,3,4,5	<0.100	mg/Kg	5	0.0200
Xylene	U	1,2,3,4,5	<0.100	mg/Kg	5	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.76	mg/Kg	5	2.00	88	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.77	mg/Kg	5	2.00	88	59.5 - 120

Sample: 373337 - AH-2 2-2.5' 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115073	Date Analyzed:	2014-08-31	Analyzed By:	MM
Prep Batch:	97311	Sample Preparation:	2014-08-31	Prepared By:	MM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			**196**	mg/Kg	5	4.00

Sample: 373337 - AH-2 2-2.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115318	Date Analyzed:	2014-09-10	Analyzed By:	SM
Prep Batch:	97518	Sample Preparation:	2014-09-09	Prepared By:	SM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1,2,3,4	**612**	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane Qsr	Qsr	3	162	mg/Kg	1	100	162	70 - 130

Sample: 373337 - AH-2 2-2.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO [4]	U	1,2,3,4	<20.0	mg/Kg	5	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	1.93	mg/Kg	5	2.00	96	73 - 122
4-Bromofluorobenzene (4-BFB)		3	1.79	mg/Kg	5	2.00	90	74.6 - 120

Sample: 373338 - AH-2 3-3.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene [5]	U	1,2,3,4,5	<0.100	mg/Kg	5	0.0200
Toluene	U	1,2,3,4,5	<0.100	mg/Kg	5	0.0200
Ethylbenzene	U	1,2,3,4,5	<0.100	mg/Kg	5	0.0200
Xylene	B	1,2,3,4,5	**0.103**	mg/Kg	5	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.71	mg/Kg	5	2.00	86	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.89	mg/Kg	5	2.00	94	59.5 - 120

Sample: 373338 - AH-2 3-3.5' 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115073	Date Analyzed:	2014-08-31	Analyzed By:	MM
Prep Batch:	97311	Sample Preparation:	2014-08-31	Prepared By:	MM

continued ...

sample 373338 continued . . .

Parameter	Flag	Cert	RL Result	Units	Dilution	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			**1320**	mg/Kg	5	4.00

Sample: 373338 - AH-2 3-3.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115148	Date Analyzed:	2014-09-04	Analyzed By:	SM
Prep Batch:	97378	Sample Preparation:	2014-09-03	Prepared By:	SM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1,2,3,4	**3370**	mg/Kg	10	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr	3	346	mg/Kg	10	100	346	70 - 130

Sample: 373338 - AH-2 3-3.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO		1,2,3,4	**68.6**	mg/Kg	5	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	1.91	mg/Kg	5	2.00	96	73 - 122
4-Bromofluorobenzene (4-BFB)		3	2.09	mg/Kg	5	2.00	104	74.6 - 120

Sample: 373339 - AH-2 4-4.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Toluene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Xylene		1,2,3,4,5	**0.0458**	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.85	mg/Kg	1	2.00	92	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.78	mg/Kg	1	2.00	89	59.5 - 120

Sample: 373339 - AH-2 4-4.5' 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115073	Date Analyzed:	2014-08-31	Analyzed By:	MM
Prep Batch:	97311	Sample Preparation:	2014-08-31	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**2990**	mg/Kg	5	4.00

Sample: 373339 - AH-2 4-4.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115148	Date Analyzed:	2014-09-04	Analyzed By:	SM
Prep Batch:	97378	Sample Preparation:	2014-09-03	Prepared By:	SM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO		1,2,3,4	**132**	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	110	mg/Kg	1	100	110	70 - 130

Sample: 373339 - AH-2 4-4.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO		1,2,3,4	**11.0**	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	2.08	mg/Kg	1	2.00	104	73 - 122
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	3	2.51	mg/Kg	1	2.00	126	74.6 - 120

Sample: 373340 - AH-2 5-5.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Toluene	U	1,2,3,4,5	<0.0200	mg/Kg	1	0.0200
Ethylbenzene		1,2,3,4,5	**0.0304**	mg/Kg	1	0.0200
Xylene		1,2,3,4,5	**0.131**	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.93	mg/Kg	1	2.00	96	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.84	mg/Kg	1	2.00	92	59.5 - 120

Sample: 373340 - AH-2 5-5.5' 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	115073	Date Analyzed:	2014-08-31	Analyzed By:	MM
Prep Batch:	97311	Sample Preparation:	2014-08-31	Prepared By:	MM

continued ...

sample 373340 continued . . .

Parameter	Flag	Cert	RL Result	Units	Dilution	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			**5100**	mg/Kg	5	4.00

Sample: 373340 - AH-2 5-5.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	115148	Date Analyzed:	2014-09-04	Analyzed By:	SM
Prep Batch:	97378	Sample Preparation:	2014-09-03	Prepared By:	SM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1,2,3,4	**60.5**	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	107	mg/Kg	1	100	107	70 - 130

Sample: 373340 - AH-2 5-5.5' 2' BEB

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	115142	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	Sample Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO		1,2,3,4	**16.9**	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	2.18	mg/Kg	1	2.00	109	73 - 122
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	3	2.43	mg/Kg	1	2.00	122	74.6 - 120

Method Blanks

Method Blank (1) QC Batch: 115071

QC Batch:	115071	Date Analyzed:	2014-08-30	Analyzed By:	MM
Prep Batch:	97308	QC Preparation:	2014-08-30	Prepared By:	MM

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride			<3.85	mg/Kg	4

Method Blank (1) QC Batch: 115073

QC Batch:	115073	Date Analyzed:	2014-08-31	Analyzed By:	MM
Prep Batch:	97311	QC Preparation:	2014-08-31	Prepared By:	MM

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride			<3.85	mg/Kg	4

Method Blank (1) QC Batch: 115141

QC Batch:	115141	Date Analyzed:	2014-09-03	Analyzed By:	JS
Prep Batch:	97371	QC Preparation:	2014-09-03	Prepared By:	JS

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1,2,3,4,5	<0.00487	mg/Kg	0.02
Toluene		1,2,3,4,5	0.00530	mg/Kg	0.02
Ethylbenzene		1,2,3,4,5	<0.00283	mg/Kg	0.02
Xylene		1,2,3,4,5	0.00290	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5	1.98	mg/Kg	1	2.00	99	66.2 - 120
4-Bromofluorobenzene (4-BFB)		5	1.88	mg/Kg	1	2.00	94	59.5 - 120

Method Blank (1) QC Batch: 115142

QC Batch: 115142 | Date Analyzed: 2014-09-03 | Analyzed By: JS
Prep Batch: 97371 | QC Preparation: 2014-09-03 | Prepared By: JS

Parameter	Flag	Cert	MDL Result	Units	RL
GRO		1,2,3,4	<0.217	mg/Kg	4

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	2.20	mg/Kg	1	2.00	110	73 - 122
4-Bromofluorobenzene (4-BFB)		3	2.09	mg/Kg	1	2.00	104	74.6 - 120

Method Blank (1) QC Batch: 115148

QC Batch: 115148 | Date Analyzed: 2014-09-04 | Analyzed By: SM
Prep Batch: 97378 | QC Preparation: 2014-09-03 | Prepared By: SM

Parameter	Flag	Cert	MDL Result	Units	RL
DRO		1,2,3,4	<5.22	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	98.2	mg/Kg	1	100	98	70 - 130

Method Blank (1) QC Batch: 115318

QC Batch: 115318 | Date Analyzed: 2014-09-10 | Analyzed By: SM
Prep Batch: 97518 | QC Preparation: 2014-09-09 | Prepared By: SM

Parameter	Flag	Cert	MDL Result	Units	RL
DRO		1,2,3,4	<5.22	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		3	113	mg/Kg	1	100	113	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 115071 | Date Analyzed: 2014-08-30 | Analyzed By: MM
Prep Batch: 97308 | QC Preparation: 2014-08-30 | Prepared By: MM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2570	mg/Kg	5	2500	<19.2	103	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2620	mg/Kg	5	2500	<19.2	105	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 115073 | Date Analyzed: 2014-08-31 | Analyzed By: MM
Prep Batch: 97311 | QC Preparation: 2014-08-31 | Prepared By: MM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2260	mg/Kg	5	2500	<19.2	90	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2550	mg/Kg	5	2500	<19.2	102	85 - 115	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 115141 | Date Analyzed: 2014-09-03 | Analyzed By: JS
Prep Batch: 97371 | QC Preparation: 2014-09-03 | Prepared By: JS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1,2,3,4,5	1.60	mg/Kg	1	2.00	<0.00487	80	69.3 - 120
Toluene		1,2,3,4,5	1.66	mg/Kg	1	2.00	0.0053	83	70.5 - 120
Ethylbenzene		1,2,3,4,5	1.70	mg/Kg	1	2.00	<0.00283	85	70.6 - 120
Xylene		1,2,3,4,5	5.04	mg/Kg	1	6.00	0.0029	84	70.7 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1,2,3,4,5	1.68	mg/Kg	1	2.00	<0.00487	84	69.3 - 120	5	20
Toluene		1,2,3,4,5	1.76	mg/Kg	1	2.00	0.0053	88	70.5 - 120	6	20
Ethylbenzene		1,2,3,4,5	1.81	mg/Kg	1	2.00	<0.00283	90	70.6 - 120	6	20
Xylene		1,2,3,4,5	5.38	mg/Kg	1	6.00	0.0029	90	70.7 - 120	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	5	1.70	1.83	mg/Kg	1	2.00	85	92	66.2 - 120
4-Bromofluorobenzene (4-BFB)	5	1.67	1.75	mg/Kg	1	2.00	84	88	59.5 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 115142 | Date Analyzed: 2014-09-03 | Analyzed By: JS
Prep Batch: 97371 | QC Preparation: 2014-09-03 | Prepared By: JS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		1,2,3,4	17.9	mg/Kg	1	20.0	<0.217	90	60.1 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		1,2,3,4	17.4	mg/Kg	1	20.0	<0.217	87	60.1 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	3	2.10	1.86	mg/Kg	1	2.00	105	93	73 - 122
4-Bromofluorobenzene (4-BFB)	3	2.10	1.96	mg/Kg	1	2.00	105	98	74.6 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 115148 | Date Analyzed: 2014-09-04 | Analyzed By: SM
Prep Batch: 97378 | QC Preparation: 2014-09-03 | Prepared By: SM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		1,2,3,4	289	mg/Kg	1	250	<5.22	116	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		1,2,3,4	286	mg/Kg	1	250	<5.22	114	70 - 130	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	3	128	128	mg/Kg	1	100	128	128	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 115318 | Date Analyzed: 2014-09-10 | Analyzed By: SM
Prep Batch: 97518 | QC Preparation: 2014-09-09 | Prepared By: SM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		1,2,3,4	263	mg/Kg	1	250	<5.22	105	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		1,2,3,4	230	mg/Kg	1	250	<5.22	92	70 - 130	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	3	118	113	mg/Kg	1	100	118	113	70 - 130

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 37334

QC Batch: 115071 | Date Analyzed: 2014-08-30 | Analyzed By: MM
Prep Batch: 97308 | QC Preparation: 2014-08-30 | Prepared By: MM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2480	mg/Kg	5	2500	<19.2	99	78.9 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2520	mg/Kg	5	2500	<19.2	101	78.9 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 373345

QC Batch: 115073 | Date Analyzed: 2014-08-31 | Analyzed By: MM
Prep Batch: 97311 | QC Preparation: 2014-08-31 | Prepared By: MM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2840	mg/Kg	5	2500	<19.2	114	78.9 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2400	mg/Kg	5	2500	<19.2	96	78.9 - 121	17	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 373329

QC Batch: 115141 | Date Analyzed: 2014-09-03 | Analyzed By: JS
Prep Batch: 97371 | QC Preparation: 2014-09-03 | Prepared By: JS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1,2,3,4,5	1.89	mg/Kg	1	2.00	0.0097	94	63.6 - 120
Toluene		1,2,3,4,5	2.01	mg/Kg	1	2.00	0.0038	100	67.8 - 128
Ethylbenzene		1,2,3,4,5	2.06	mg/Kg	1	2.00	0.0043	103	69.5 - 136
Xylene		1,2,3,4,5	6.10	mg/Kg	1	6.00	0.0179	101	69.3 - 139

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1,2,3,4,5	1.85	mg/Kg	1	2.00	0.0097	92	63.6 - 120	2	20
Toluene		1,2,3,4,5	1.93	mg/Kg	1	2.00	0.0038	96	67.8 - 128	4	20
Ethylbenzene		1,2,3,4,5	1.99	mg/Kg	1	2.00	0.0043	99	69.5 - 136	3	20
Xylene		1,2,3,4,5	5.90	mg/Kg	1	6.00	0.0179	98	69.3 - 139	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	5	2.07	1.98	mg/Kg	1	2	104	99	66.2 - 120
4-Bromofluorobenzene (4-BFB)	5	1.95	1.87	mg/Kg	1	2	98	94	59.5 - 120

Matrix Spike (MS-1) Spiked Sample: 373329

QC Batch: 115142 | Date Analyzed: 2014-09-03 | Analyzed By: JS
Prep Batch: 97371 | QC Preparation: 2014-09-03 | Prepared By: JS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		1,2,3,4	20.6	mg/Kg	1	20.0	<0.217	103	40.3 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		1,2,3,4	19.9	mg/Kg	1	20.0	<0.217	100	40.3 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	3	2.42	2.24	mg/Kg	1	2	121	112	73 - 122
4-Bromofluorobenzene (4-BFB)	3	2.39	2.30	mg/Kg	1	2	120	115	74.6 - 120

Matrix Spike (MS-1) Spiked Sample: 373329

QC Batch: 115148 | Date Analyzed: 2014-09-04 | Analyzed By: SM
Prep Batch: 97378 | QC Preparation: 2014-09-03 | Prepared By: SM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		1,2,3,4	221	mg/Kg	1	250	<5.22	88	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		1,2,3,4	222	mg/Kg	1	250	<5.22	89	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	3	109	109	mg/Kg	1	100	109	109	70 - 130

Matrix Spike (xMS-1) Spiked Sample: 373640

QC Batch: 115318 | Date Analyzed: 2014-09-10 | Analyzed By: SM
Prep Batch: 97518 | QC Preparation: 2014-09-09 | Prepared By: SM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		1,2,3,4	252	mg/Kg	1	250	22.7	92	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		1,2,3,4	258	mg/Kg	1	250	22.7	94	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	3	110	112	mg/Kg	1	100	110	112	70 - 130

Calibration Standards

Standard (ICV-1)

QC Batch: 115071 Date Analyzed: 2014-08-30 Analyzed By: MM

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	99.0	99	85 - 115	2014-08-30

Standard (CCV-1)

QC Batch: 115071 Date Analyzed: 2014-08-30 Analyzed By: MM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	101	101	85 - 115	2014-08-30

Standard (ICV-1)

QC Batch: 115073 Date Analyzed: 2014-08-31 Analyzed By: MM

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	102	102	85 - 115	2014-08-31

Standard (CCV-1)

QC Batch: 115073 Date Analyzed: 2014-08-31 Analyzed By: MM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	98.0	98	85 - 115	2014-08-31

Standard (CCV-1)

QC Batch: 115141 Date Analyzed: 2014-09-03 Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1,2,3,4,5	mg/kg	0.100	0.0927	93	80 - 120	2014-09-03
Toluene		1,2,3,4,5	mg/kg	0.100	0.0869	87	80 - 120	2014-09-03
Ethylbenzene		1,2,3,4,5	mg/kg	0.100	0.0880	88	80 - 120	2014-09-03
Xylene		1,2,3,4,5	mg/kg	0.300	0.263	88	80 - 120	2014-09-03

Standard (CCV-2)

QC Batch: 115141 Date Analyzed: 2014-09-03 Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1,2,3,4,5	mg/kg	0.100	0.0890	89	80 - 120	2014-09-03
Toluene		1,2,3,4,5	mg/kg	0.100	0.0856	86	80 - 120	2014-09-03
Ethylbenzene		1,2,3,4,5	mg/kg	0.100	0.0861	86	80 - 120	2014-09-03
Xylene		1,2,3,4,5	mg/kg	0.300	0.255	85	80 - 120	2014-09-03

Standard (CCV-3)

QC Batch: 115141 Date Analyzed: 2014-09-03 Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1,2,3,4,5	mg/kg	0.100	0.0887	89	80 - 120	2014-09-03
Toluene		1,2,3,4,5	mg/kg	0.100	0.0842	84	80 - 120	2014-09-03
Ethylbenzene		1,2,3,4,5	mg/kg	0.100	0.0870	87	80 - 120	2014-09-03
Xylene		1,2,3,4,5	mg/kg	0.300	0.258	86	80 - 120	2014-09-03

Standard (CCV-1)

QC Batch: 115142 Date Analyzed: 2014-09-03 Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1,2,3,4	mg/Kg	1.00	1.02	102	80 - 120	2014-09-03

Standard (CCV-2)

QC Batch: 115142 Date Analyzed: 2014-09-03 Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1,2,3,4	mg/Kg	1.00	0.854	85	80 - 120	2014-09-03

Standard (CCV-3)

QC Batch: 115142 Date Analyzed: 2014-09-03 Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1,2,3,4	mg/Kg	1.00	0.964	96	80 - 120	2014-09-03

Standard (CCV-1)

QC Batch: 115148 Date Analyzed: 2014-09-04 Analyzed By: SM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1,2,3,4	mg/Kg	250	272	109	80 - 120	2014-09-04

Standard (CCV-2)

QC Batch: 115148 Date Analyzed: 2014-09-04 Analyzed By: SM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1,2,3,4	mg/Kg	250	269	108	80 - 120	2014-09-04

Standard (CCV-3)

QC Batch: 115148 Date Analyzed: 2014-09-04 Analyzed By: SM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1,2,3,4	mg/Kg	250	284	114	80 - 120	2014-09-04

Standard (CCV-1)

QC Batch: 115318 Date Analyzed: 2014-09-10 Analyzed By: SM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1,2,3,4	mg/Kg	250	238	95	80 - 120	2014-09-10

Standard (CCV-2)

QC Batch: 115318 Date Analyzed: 2014-09-10 Analyzed By: SM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		1,2,3,4	mg/Kg	250	243	97	80 - 120	2014-09-10

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	PJLA	L14-93	Lubbock
2	Kansas	Kansas E-10317	Lubbock
3	LELAP	LELAP-02003	Lubbock
4	NELAP	T104704219-14-10	Lubbock
5		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F	Description
U	The analyte is not detected above the SDL

Result Comments

1 Sample dilution due to turbidity.
2 Sample dilution due to turbidity.
3 Sample dilution due to surfactants.
4 Sample dilution due to surfactants.
5 Sample dilution due to hydrocarbons.

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 14082929

Page 1 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
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Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

Company Name: Apex Titan
Phone #: 432 270 7562
Address: (Street, City, Zip)
Fax #:
Contact Person: Thomas Franklin
E-mail: tfranklin@apexcos.com
Invoice to: (If different from above) Regency
Project #: 703071400H
Project Name: Fullerton Drip Tank
Project Location (including state): Lea Co NM
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
329	East Side Wall	1			X							X		8/27	10:00
330	North Side Wall														11:00
331	South Side Wall														15:00
332	West Side Wall														16:00
333	AH-1 0-1' 2'BEB													8/28	13:30
334	AH-1 1-1.5' 2'BEB														13:31
335	AH-2 0-1' 2'BEB														13:32
336	AH-2 1-1.5' 2'BEB														13:35
337	AH-2 2-2.5' 2'BEB														13:36
338	AH-2 3-3.5' 2'BEB														13:37
339	AH-2 4-4.5' 2'BEB														13:38

ANALYSIS REQUEST	Turn Around Time if different from standard	Hold
MTBE 8021 / 602 / 8260 / 624		
BTEX 8021 / 602 / 8260 / 624	X	
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC	X	
PAH 8270 / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
TCLP Pesticides		
RCI		
GC/MS Vol. 8260 / 624		
GC/MS Semi. Vol. 8270 / 625		
PCB's 8082 / 608		
Pesticides 8081 / 608		
BOD, TSS, pH		
Moisture Content		
Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	X	
Na, Ca, Mg, K, TDS, EC		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Apex	8-29	11:47		TA	8/29/14	11:47	INST 4.2 °C, OBS 4.2 °C, COR 4.1 °C
	TA	8/29/14	15:30					INST ____ °C, OBS ____ °C, COR ____ °C
				Brandi Ritchson		8/30/14	9:07	INST IR, OBS 4.3 °C, COR 4.2 °C

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS:
Mediation of Published - BTEX TPH

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Carrier # LS 21254049

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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LAB Order ID # 1408 2929

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
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5002 Basin Street, Suite A1
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BioAquatic Testing
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Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

Company Name: Apex Titan
Phone #: 432 270 7562
Address: (Street, City, Zip)
Fax #:
Contact Person: Thomas Franklin
E-mail: tfranklin@apexcos.com
Invoice to: (If different from above) Regency
Project #: 703071.4.0044
Project Name: Fullerton Drip Tank
Project Location (including state): Lea Co NM
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
340	AH-2 55.5' 2'BEB	1			X							X		8/28	13:39

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC						Turn Around Time if different from standard	Hold
	X		X														X	X								

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Apex	8-29	11:47		TA	8/29/14	11:47	INST ____ OBS 7.3 °C COR 7.1 °C
								INST ____ OBS ____ °C COR ____ °C
				Brandi Richardson		8/30/14	9:07	INST 1.2.3 OBS 4.3 °C COR 4.2 °C

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # LS 7 1254049

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

Summary Report

(Corrected Report)

Thomas Franklin
APEX/Titan
2351 W. Northwest Hwy.
Suite 3321
Dallas, Tx 75220

Report Date: November 4, 2014

Work Order: 14102111

Project Location: Lea Co, NM
Project Name: Fullerton Drip Tank
Project Number: 7030714G044

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
377503	SB-1 (4-5') 2' BEB	soil	2014-10-20	11:40	2014-10-20
377504	SB-1 (6-7') 2' BEB	soil	2014-10-20	11:45	2014-10-20
377505	SB-1 (9-10') 2' BEB	soil	2014-10-20	11:55	2014-10-20
377506	SB-1 (14-15') 2' BEB	soil	2014-10-20	12:05	2014-10-20
377507	SB-1 (19-20') 2' BEB	soil	2014-10-20	12:15	2014-10-20
377508	SB-1 (24-25') 2' BEB	soil	2014-10-20	12:25	2014-10-20
377509	SB-1 (29-30') 2' BEB	soil	2014-10-20	12:35	2014-10-20
377510	SB-1 (34-35') 2' BEB	soil	2014-10-20	12:45	2014-10-20

Sample: 377503 - SB-1 (4-5') 2' BEB

Param	Flag	Result	Units	RL
Chloride		**4620**	mg/Kg	4

Sample: 377504 - SB-1 (6-7') 2' BEB

Param	Flag	Result	Units	RL
Chloride		**10100**	mg/Kg	4

Sample: 377505 - SB-1 (9-10') 2' BEB

Param	Flag	Result	Units	RL
Chloride		**28700**	mg/Kg	4

Sample: 377506 - SB-1 (14-15') 2' BEB

Param	Flag	Result	Units	RL
Chloride		**15700**	mg/Kg	4

Sample: 377507 - SB-1 (19-20') 2' BEB

Param	Flag	Result	Units	RL
Chloride		**4760**	mg/Kg	4

Sample: 377508 - SB-1 (24-25') 2' BEB

Param	Flag	Result	Units	RL
Chloride		**2380**	mg/Kg	4

Sample: 377509 - SB-1 (29-30') 2' BEB

Param	Flag	Result	Units	RL
Chloride		**352**	mg/Kg	4

Sample: 377510 - SB-1 (34-35') 2' BEB

Param	Flag	Result	Units	RL
Chloride		**250**	mg/Kg	4

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

(Corrected Report)

Thomas Franklin
APEX/Titan
2351 W. Northwest Hwy.
Suite 3321
Dallas, Tx, 75220

Report Date: November 4, 2014

Work Order: 14102111

Project Location: Lea Co, NM
Project Name: Fullerton Drip Tank
Project Number: 7030714G044

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
377503	SB-1 (4-5') 2' BEB	soil	2014-10-20	11:40	2014-10-20
377504	SB-1 (6-7') 2' BEB	soil	2014-10-20	11:45	2014-10-20
377505	SB-1 (9-10') 2' BEB	soil	2014-10-20	11:55	2014-10-20
377506	SB-1 (14-15') 2' BEB	soil	2014-10-20	12:05	2014-10-20
377507	SB-1 (19-20') 2' BEB	soil	2014-10-20	12:15	2014-10-20
377508	SB-1 (24-25') 2' BEB	soil	2014-10-20	12:25	2014-10-20
377509	SB-1 (29-30') 2' BEB	soil	2014-10-20	12:35	2014-10-20
377510	SB-1 (34-35') 2' BEB	soil	2014-10-20	12:45	2014-10-20

Report Corrections (Work Order 14102111)

• 11/03/2014–Client asked that 377509-510 be re-run for Cl. Re-run completed 11/4 with values given to client. He asked the new numbers be reported.

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

Report Contents

Case Narrative

Samples for project Fullerton Drip Tank were received by TraceAnalysis, Inc. on 2014-10-20 and assigned to work order 14102111. Samples for work order 14102111 were received intact at a temperature of 9.3 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (Titration)	SM 4500-Cl B	98689	2014-10-28 at 12:53	116765	2014-10-29 at 13:21
Chloride (Titration)	SM 4500-Cl B	98845	2014-11-04 at 07:45	116921	2014-11-04 at 09:30
Chloride (Titration)	SM 4500-Cl B	98847	2014-11-04 at 07:45	116924	2014-11-04 at 09:50

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 14102111 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 377503 - SB-1 (4-5') 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116765	Date Analyzed:	2014-10-29	Analyzed By:	MM
Prep Batch:	98689	Sample Preparation:	2014-10-28	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**4620**	mg/Kg	5	4.00

Sample: 377504 - SB-1 (6-7') 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116765	Date Analyzed:	2014-10-29	Analyzed By:	MM
Prep Batch:	98689	Sample Preparation:	2014-10-28	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**10100**	mg/Kg	10	4.00

Sample: 377505 - SB-1 (9-10') 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116765	Date Analyzed:	2014-10-29	Analyzed By:	MM
Prep Batch:	98689	Sample Preparation:	2014-10-28	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**28700**	mg/Kg	10	4.00

Sample: 377506 - SB-1 (14-15') 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116765	Date Analyzed:	2014-10-29	Analyzed By:	MM
Prep Batch:	98689	Sample Preparation:	2014-10-28	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**15700**	mg/Kg	50	4.00

Sample: 377507 - SB-1 (19-20') 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116765	Date Analyzed:	2014-10-29	Analyzed By:	MM
Prep Batch:	98689	Sample Preparation:	2014-10-28	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**4760**	mg/Kg	50	4.00

Sample: 377508 - SB-1 (24-25') 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116765	Date Analyzed:	2014-10-29	Analyzed By:	MM
Prep Batch:	98689	Sample Preparation:	2014-10-28	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**2380**	mg/Kg	50	4.00

Sample: 377509 - SB-1 (29-30') 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116921	Date Analyzed:	2014-11-04	Analyzed By:	AK
Prep Batch:	98845	Sample Preparation:	2014-11-04	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			**352**	mg/Kg	5	4.00

Sample: 377510 - SB-1 (34-35') 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116924	Date Analyzed:	2014-11-04	Analyzed By:	AK
Prep Batch:	98847	Sample Preparation:	2014-11-04	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			**250**	mg/Kg	5	4.00

Method Blanks

Method Blank (1) QC Batch: 116765

QC Batch:	116765	Date Analyzed:	2014-10-29	Analyzed By:	MM
Prep Batch:	98689	QC Preparation:	2014-10-28	Prepared By:	MM

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride			<3.85	mg/Kg	4

Method Blank (1) QC Batch: 116921

QC Batch:	116921	Date Analyzed:	2014-11-04	Analyzed By:	AK
Prep Batch:	98845	QC Preparation:	2014-11-04	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride			<3.85	mg/Kg	4

Method Blank (1) QC Batch: 116924

QC Batch:	116924	Date Analyzed:	2014-11-04	Analyzed By:	AK
Prep Batch:	98847	QC Preparation:	2014-11-04	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride			<3.85	mg/Kg	4

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 116765 | Date Analyzed: 2014-10-29 | Analyzed By: MM
Prep Batch: 98689 | QC Preparation: 2014-10-28 | Prepared By: MM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2620	mg/Kg	5	2500	<19.2	105	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2620	mg/Kg	5	2500	<19.2	105	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 116921 | Date Analyzed: 2014-11-04 | Analyzed By: AK
Prep Batch: 98845 | QC Preparation: 2014-11-04 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2660	mg/Kg	5	2500	<19.2	106	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2560	mg/Kg	5	2500	<19.2	102	85 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 116924 | Date Analyzed: 2014-11-04 | Analyzed By: AK
Prep Batch: 98847 | QC Preparation: 2014-11-04 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2500	mg/Kg	5	2500	<19.2	100	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2550	mg/Kg	5	2500	<19.2	102	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 377510

QC Batch: 116765 | Date Analyzed: 2014-10-29 | Analyzed By: MM
Prep Batch: 98689 | QC Preparation: 2014-10-28 | Prepared By: MM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2810	mg/Kg	5	2500	429	95	78.9 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2810	mg/Kg	5	2500	429	95	78.9 - 121	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 378476

QC Batch: 116921 | Date Analyzed: 2014-11-04 | Analyzed By: AK
Prep Batch: 98845 | QC Preparation: 2014-11-04 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2660	mg/Kg	5	2500	<19.2	106	78.9 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2610	mg/Kg	5	2500	<19.2	104	78.9 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 377510

QC Batch: 116924 | Date Analyzed: 2014-11-04 | Analyzed By: AK
Prep Batch: 98847 | QC Preparation: 2014-11-04 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2700	mg/Kg	5	2500	250	98	78.9 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2600	mg/Kg	5	2500	250	94	78.9 - 121	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (ICV-1)

QC Batch: 116765 | Date Analyzed: 2014-10-29 | Analyzed By: MM

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	100	100	85 - 115	2014-10-29

Standard (CCV-1)

QC Batch: 116765 | Date Analyzed: 2014-10-29 | Analyzed By: MM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	100	100	85 - 115	2014-10-29

Standard (ICV-1)

QC Batch: 116921 | Date Analyzed: 2014-11-04 | Analyzed By: AK

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	99.0	99	85 - 115	2014-11-04

Standard (CCV-1)

QC Batch: 116921 | Date Analyzed: 2014-11-04 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	101	101	85 - 115	2014-11-04

Standard (ICV-1)

QC Batch: 116924 | Date Analyzed: 2014-11-04 | Analyzed By: AK

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	101	101	85 - 115	2014-11-04

Standard (CCV-1)

QC Batch: 116924 | Date Analyzed: 2014-11-04 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	99.0	99	85 - 115	2014-11-04

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 14102111

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

Company Name: Apex Titan
Phone #: (432) 695-6016
Address: (Street, City, Zip)
Fax #:
Contact Person: Thomas Franklin
E-mail: tfranklin@apexcos.com
Invoice to: (If different from above) Regency Field Services LLC
Project #: 703071AG044
Project Name: Regency - Fullerton Drip Tanks
Project Location (including state): Lea Co NM
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE 2014	TIME
377503	SB-1 (4-5') 2' BEB	1			X							X		10/20	11:40
504	SB-1 (6-7') 2' BEB														11:45
505	SB-1 (9-10') 2' BEB														11:55
506	SB-1 (14-15') 2' BEB														12:05
507	SB-1 (19-20') 2' BEB														12:15
508	SB-1 (24-25') 2' BEB														12:25
509	SB-1 (29-30') 2' BEB														12:35
510	SB-1 (34-35') 2' BEB														12:45

ANALYSIS REQUEST	Turn Around Time if different from standard	Hold
MTBE 8021 / 602 / 8260 / 624		
BTEX 8021 / 602 / 8260 / 624		
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC		
PAH 8270 / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
TCLP Pesticides		
RCI		
GC/MS Vol. 8260 / 624		
GC/MS Semi. Vol. 8270 / 625		
PCB's 8082 / 608		
Pesticides 8081 / 608		
BOD, TSS, pH		
Moisture Content		
Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	X	
Na, Ca, Mg, K, TDS, EC		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Apex	10/20/14	16:23	Spring M. Carlisle	TA	10/20/14	16:24	INST IR OBS 9.2 °C COR 9.3 °C
								INST ____ OBS ____ °C COR ____ °C
								INST ____ OBS ____ °C COR ____ °C

LAB USE ONLY
Intact Y N
Headspace Y / N / NA
Log-in-Review

REMARKS:
Normal Turn Around
Direct Bill Regency

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # _____

ORIGINAL COPY

APPENDIX E

Manifests

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306485

LEASE OPERATOR/SHIPPER/COMPANY: Regency

LEASE NAME: Fullerton Drip 16" Line

TIME 1:35 AM/PM

TRANSPORTER COMPANY: Light house Enviro

GENERATOR COMPANY MAN'S NAME: P. Little

DATE: 8/27/14 VEHICLE NO: 01

RIG NAME AND NUMBER 575-631-2586

CHARGE TO: Regency

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: OD

C-133#

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. : [X] YARD 12 : [ ]

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY *that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.*

DRIVER: Mark Gibson
(SIGNATURE)

FACILITY REPRESENTATIVE: Stephanie Bakena
(SIGNATURE)

White - Sundance | Canary - Sundance Acct #1 | Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306500

LEASE OPERATOR/SHIPPER/COMPANY:	Regency
LEASE NAME:	Fullerton Drip 16" Line
TRANSPORTER COMPANY:	Lighthouse Energy — **TIME** 10:24 AM/PM
DATE: 8-27-14 **VEHICLE NO:** 01	**GENERATOR COMPANY MAN'S NAME:** P. Little
CHARGE TO: Regency	**RIG NAME AND NUMBER** 575-631-2586

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 12 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY *that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.*

DRIVER: Andy Aiken
(SIGNATURE)

FACILITY REPRESENTATIVE: Stephan Baca
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306507

LEASE OPERATOR/SHIPPER/COMPANY: Regency

LEASE NAME: Fullerton Drip 16" Line

TRANSPORTER COMPANY: Lighthouse Enviro

TIME 11:08 AM/PM

DATE: 8/27/14 **VEHICLE NO:** 4

GENERATOR COMPANY MAN'S NAME: P. Little

CHARGE TO: Regency

RIG NAME AND NUMBER 575-631-2581

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 12 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY *that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.*

DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: Stephanie Bahena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306513

LEASE OPERATOR/SHIPPER/COMPANY: Regency

LEASE NAME: Fullerton Drip 16" Line

TRANSPORTER COMPANY: Light House Enviro. | **TIME** 11:45 AM/PM

DATE: 8-27-14 **VEHICLE NO:** 01 | **GENERATOR COMPANY MAN'S NAME:** P Little

CHARGE TO: Regency | **RIG NAME AND NUMBER** 575-631-0506

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # | **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 12 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: Andy Alcon
(SIGNATURE)

FACILITY REPRESENTATIVE: Leigh Ball
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306532

LEASE OPERATOR/SHIPPER/COMPANY: Regency

LEASE NAME: Fullerton Dir, 16" Line

TRANSPORTER COMPANY: Light House Enviro | TIME 12:47 AM/PM

DATE: 5/27/14 | VEHICLE NO: 01 | GENERATOR COMPANY MAN'S NAME: R. Little

CHARGE TO: Regency | RIG NAME AND NUMBER 1634-7586

TYPE OF MATERIAL

[ ] Production Water | [ ] Drilling Fluids | [ ] Rinsate

[ ] Tank Bottoms | [X] Contaminated Soil | [ ] Jet Out

[ ] Solids | [ ] BS&W Content: | [ ] Call Out

Description: OD

RRC or API # | C-133#

VOLUME OF MATERIAL [ ] BBLS. ______ : [X] YARD 12 : [ ] ______

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: Andy Gibson
(SIGNATURE)

FACILITY REPRESENTATIVE: Stephanie Baker
(SIGNATURE)

White - Sundance | Canary - Sundance Acct #1 | Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306550

LEASE OPERATOR/SHIPPER/COMPANY: Regency

LEASE NAME: Fullerton Drip Line

TRANSPORTER COMPANY: Light House Enviro TIME 1:40 AM/PM

DATE: 8/27/14 VEHICLE NO: 01 GENERATOR COMPANY MAN'S NAME: R. Little

CHARGE TO: Regency RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate

[ ] Tank Bottoms [X] Contaminated Soil [ ] Jet Out

[ ] Solids [ ] BS&W Content: [ ] Call Out

Description: OD

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. : [X] YARD 20 : [ ]

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: Andy Gibson
(SIGNATURE)

FACILITY REPRESENTATIVE: Steph Bell
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306561

LEASE OPERATOR/SHIPPER/COMPANY:	Regency
LEASE NAME:	Tullos Lay Dip 16" Line
TRANSPORTER COMPANY:	Light House Energy
TIME:	9:17 AM/PM
DATE:	5/27/14
VEHICLE NO:	61
GENERATOR COMPANY MAN'S NAME:	K. Little
CHARGE TO:	Regency
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____: [X] **YARD** 12 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306569

LEASE OPERATOR/SHIPPER/COMPANY:	Kinder
LEASE NAME:	Fullerton Drip 16" Line
TRANSPORTER COMPANY:	Light house Energy
TIME	2:30 AM/PM
DATE: 5/27/14 **VEHICLE NO:** 01	**GENERATOR COMPANY MAN'S NAME:** P. Little
CHARGE TO: Kinder	**RIG NAME AND NUMBER** 631 2586

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 12 : [ ] _____

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DRIVER: Andy Chacon
(SIGNATURE)

FACILITY REPRESENTATIVE: Stephanie Barrera
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306584

LEASE OPERATOR/SHIPPER/COMPANY:	Kaynes
LEASE NAME:	Fullerton Drip 6" Line
TRANSPORTER COMPANY:	Light House
TIME	3:55 AM/PM
DATE: 5/27/14 **VEHICLE NO:**	01
GENERATOR COMPANY MAN'S NAME:	K. Little
CHARGE TO:	Kaynes
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____: [X] **YARD** 12 : [ ] _____

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DRIVER: Andy Olsen
(SIGNATURE)

FACILITY REPRESENTATIVE: Tasha Ba C
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306566

LEASE OPERATOR/SHIPPER/COMPANY:	Regency
LEASE NAME:	Sutton Draw 16" Line
TRANSPORTER COMPANY:	Lighthouse
TIME	2:11 AM/PM
DATE: 8-27-14 **VEHICLE NO:**	02
GENERATOR COMPANY MAN'S NAME:	P Little
CHARGE TO:	Regency
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 24 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: Steph Ba
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306580

LEASE OPERATOR/SHIPPER/COMPANY: Regency

LEASE NAME: Fullerton Drop 16" Line

TRANSPORTER COMPANY: Lighthouse

TIME 5:43 AM/PM

DATE: 5/27/14 **VEHICLE NO:** 02

GENERATOR COMPANY MAN'S NAME: P. Little

CHARGE TO: Regency

RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] **BBLS.** _____: [X] **YARD** 24 : [ ] _____

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DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: Stephanie Parker
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306607

LEASE OPERATOR/SHIPPER/COMPANY: Regency

LEASE NAME: Fullerton Drip 6" Line

TRANSPORTER COMPANY: Light house | **TIME** 5:12 AM/PM

DATE: 8-27-14 **VEHICLE NO:** 02 **GENERATOR COMPANY MAN'S NAME:** P. Cuttle

CHARGE TO: Regency | **RIG NAME AND NUMBER**

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____: [X] **YARD** 24 : [ ] _____

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DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: Raquel Aguirre
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.
P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 306548

LEASE OPERATOR/SHIPPER/COMPANY: Regency
LEASE NAME: Fullerton Drip 16" Line
TRANSPORTER COMPANY: Light House Energy
TIME 1:31 AM/PM
DATE: 8/27/14 VEHICLE NO: 02
GENERATOR COMPANY MAN'S NAME: D. Little
CHARGE TO: Regency
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate
[ ] Tank Bottoms [X] Contaminated Soil [ ] Jet Out
[ ] Solids [ ] BS&W Content: [ ] Call Out

Description: OD

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. ______ : [X] YARD 24 : [ ] ______

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: Stephan Bale
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

APPENDIX F

Initial C-141

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

HOBBS OCD

DEC 09 2014

RECEIVED

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: Regency Field Services LLC.	Contact: Crystal Callaway
Address: 301 Commerce Street, Suite 700 Fort Worth, TX 76109	Telephone No.: (817) 302-9407
Facility Name: Fullerton Drip Tanks	Facility Type: Natural Gas Gathering

Surface Owner	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	35	21S	37E					Lea

Latitude 32.428502 **Longitude** -103.125563

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: Drip Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: October 23, 2013
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.*

The drip tank facility was removed from its current location. There was some evidence of oil stained soil beneath the tanks when they were removed.

Describe Area Affected and Cleanup Action Taken.*

The area measured approximately fifteen (15) feet in length and fifteen (15) feet in width. The impacted area is located inside the earthen tank containment and will be remediated in accordance to the NMOCD guidelines for leaks and spills. On October 23, 2013 Basin Environmental personnel collected one sample in the area of the drip tanks. The soil sample was submitted for laboratory analysis which detected elevated chloride and TPH concentrations at the surface. The site will be delineated and a work plan to remediate the impact will be submitted for NMOCD approval.

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.

	OIL CONSERVATION DIVISION	
Signature: Crystal Callaway		
Printed Name: Crystal Callaway	Approved by Environmental Specialist:	
Title: Sr. Env Remediation Specialist	Approval Date: 12-9-14	Expiration Date: 2-9-15
E-mail Address: Crystal.Callaway@...	Conditions of Approval: Site supervisor ... Delineate ... as per NMOCD Guidelines. Submit Final C-141 by 2-9-15.	Attached ☐
Date: 11/18/14 Phone: (817) 301-6514		1RP 3441

* Attach Additional Sheets If Necessary

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