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By OCD; Dr. Oberding at 7:30 am, Apr 07, 2015

REMEDIATION SUMMARY & SOIL CLOSURE REQUEST

Property:

**REGENCY FIELD SERVICES LLC.
Trunk "O" Drip Tank #107
Historical Release Site
Lea County, New Mexico
Unit Letter "O", Section 5, Township 21 South, Range 36 East
Latitude 32.50335, Longitude -103.28578
1RP-3581**

April 2015
Apex Project No. 7030714G042

Prepared for:

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

Prepared by:

A handwritten signature in blue ink, appearing to read 'Thomas K. Franklin'.

Thomas Franklin
Project Manager

A handwritten signature in blue ink, appearing to read 'Liz Scaggs'.

Liz Scaggs, P.G.
Senior Technical Review



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Site History



REMEDIATION SUMMARY & SOIL CLOSURE REQUEST

REGENCY FIELD SERVICES LLC.

Trunk "O" Drip Tank #107

Historical Release Site

Lea County, New Mexico

Unit Letter O, Section 5, Township 21 South, Range 36 East

Latitude 32.50335, Longitude -103.28578

April 2015

Apex Project No. 7030714G042

1.0 INTRODUCTION

1.1 Site Description & Background

Apex TITAN, Inc. (Apex) has prepared this Remediation Summary and Soil Closure Request for the Regency Field Services, LLC (Regency) Trunk "O" Drip Tank #107 (referred to hereinafter as the "Site" or "subject Site"). This Soil Closure Request is based upon the interpretation of the data collected by Basin Environmental (Basin) and the remedial actions conducted to date by Apex.

The Trunk "O" Drip Tank #107 is located in Unit Letter O, Section 5, Township 21 South, Range 36 East, Lea County, New Mexico (GPS 32.50335, -103.28578). Regency Field Services, LLC has 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 Remediation Summary and Soil Closure Request is to present documentation of the activities that were performed to date and to request closure of the site.

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	0
	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			0

Based on Apex's evaluation of the scoring criteria, the Site would have a Total Ranking Score of 0. This ranking is based on the following:

- The depth to the initial groundwater-bearing zone is >100 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 0, cleanup goals for soils remaining in place include: 10 milligrams per kilogram (mg/Kg) for benzene, 50 mg/Kg for total benzene, toluene, ethylbenzene and xylene (BTEX), 5,000 mg/Kg for total petroleum hydrocarbons (TPH) and 1,000 mg/Kg for chloride.

3.0 INITIAL RESPONSE & DRILLING ACTIVITIES

3.1 Initial Response

On April 22, 2013 Basin personnel installed one (1) trench in the area of the former above ground storage tank as shown in Figure 3, Appendix A. During installation of the trench five (5) soil samples were obtained. The soil samples were submitted for laboratory analysis which detected elevated chloride and TPH concentrations where the former above ground storage tank was located. Chloride concentrations at the surface were 10,800 mg/kg, TPH concentrations at the surface were 23,094 mg/kg. The Soil Analytical Summary Table as provided by Basin is located in Appendix B.

3.2 Drilling Activities

Soil boring activities were conducted in the area of the former above ground storage tank. On February 17, 2015, Ms. Adrian Jackson was present to observe on-Site activities and to collect soil samples. Four soil borings (SB-1 through SB-4) as shown on Figure 3, Appendix A were installed. Soil boring, SB-1 was installed to a depth of fifteen (15) feet bgs, Soil boring, SB-2 through SB-4 were installed to a deep of five (5) feet bgs. Samples were collected and field screened for chlorides and hydrocarbons.

3.3 Drilling Confirmation Soil Sampling Program

Fifteen (15) soil samples were collected from the Site by Apex personnel and analyzed for BTEX and TPH at the surface and for chlorides to the total depths. All sample results for BTEX, TPH and chlorides were below the cleanup goals, as previously discussed in Section 2.0.

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.

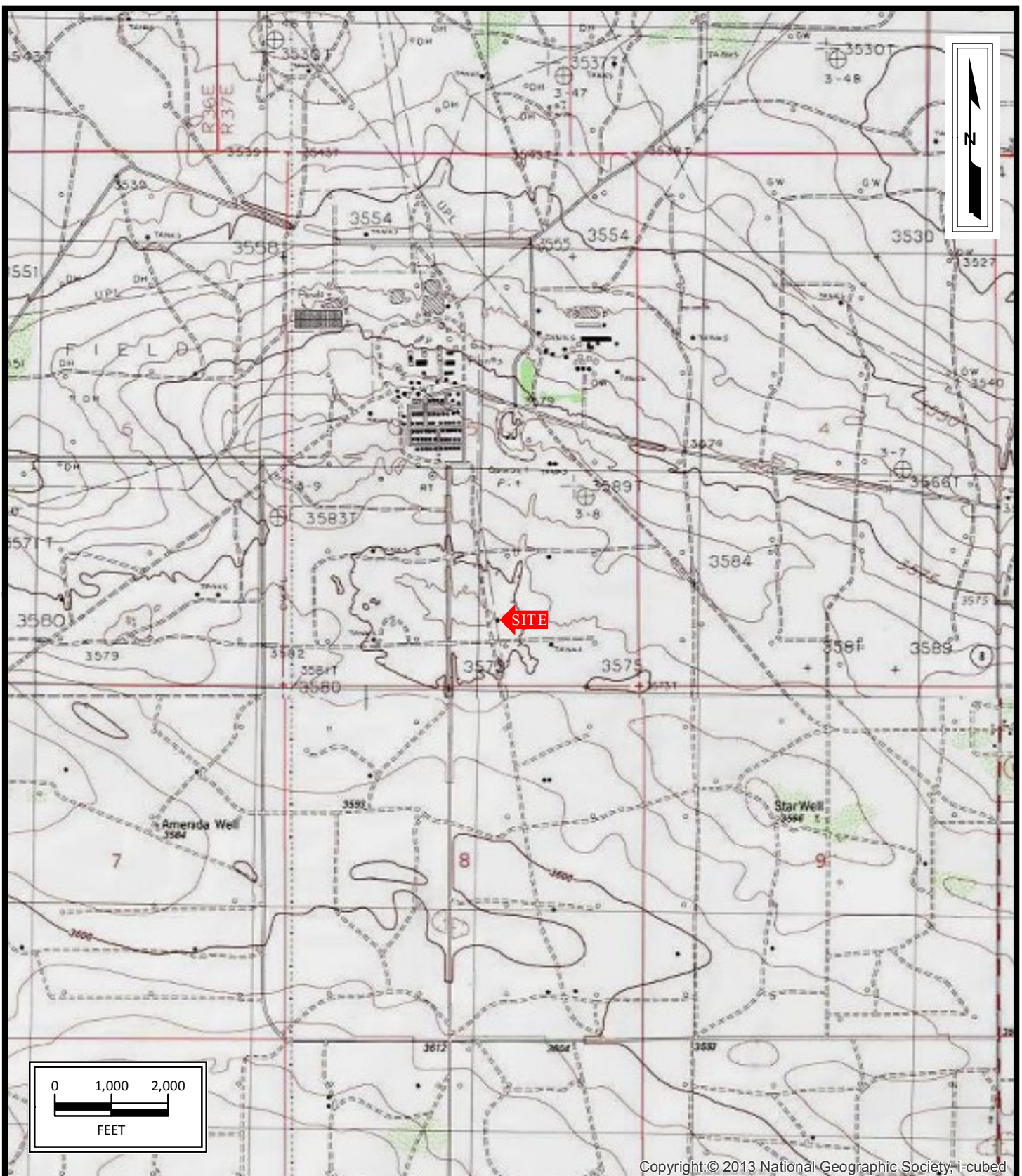
Figure 3 is a Site plan that indicates the approximate location of the confirmation soil samples and soil boring locations in relation to pertinent land features and general Site boundaries, which is included in Appendix A.

5.0 CLOSURE

Based upon the data provided by Basin and the work completed by Apex, the constituents of concern were horizontally and vertically delineated. Based upon the response actions and laboratory analytical results, no additional investigation and/or remediation appears warranted at this time. Regency respectfully requests closure of this site. Copies of the Initial and Final C-141 are provided in Appendix F.

APPENDIX A

Figures



Copyright: © 2013 National Geographic Society, i-cubed

Regency - Trunk "O" Drip Tank #107

Lea County, New Mexico
32.50335N, 103.28578W

Project No. 7030714G042.001



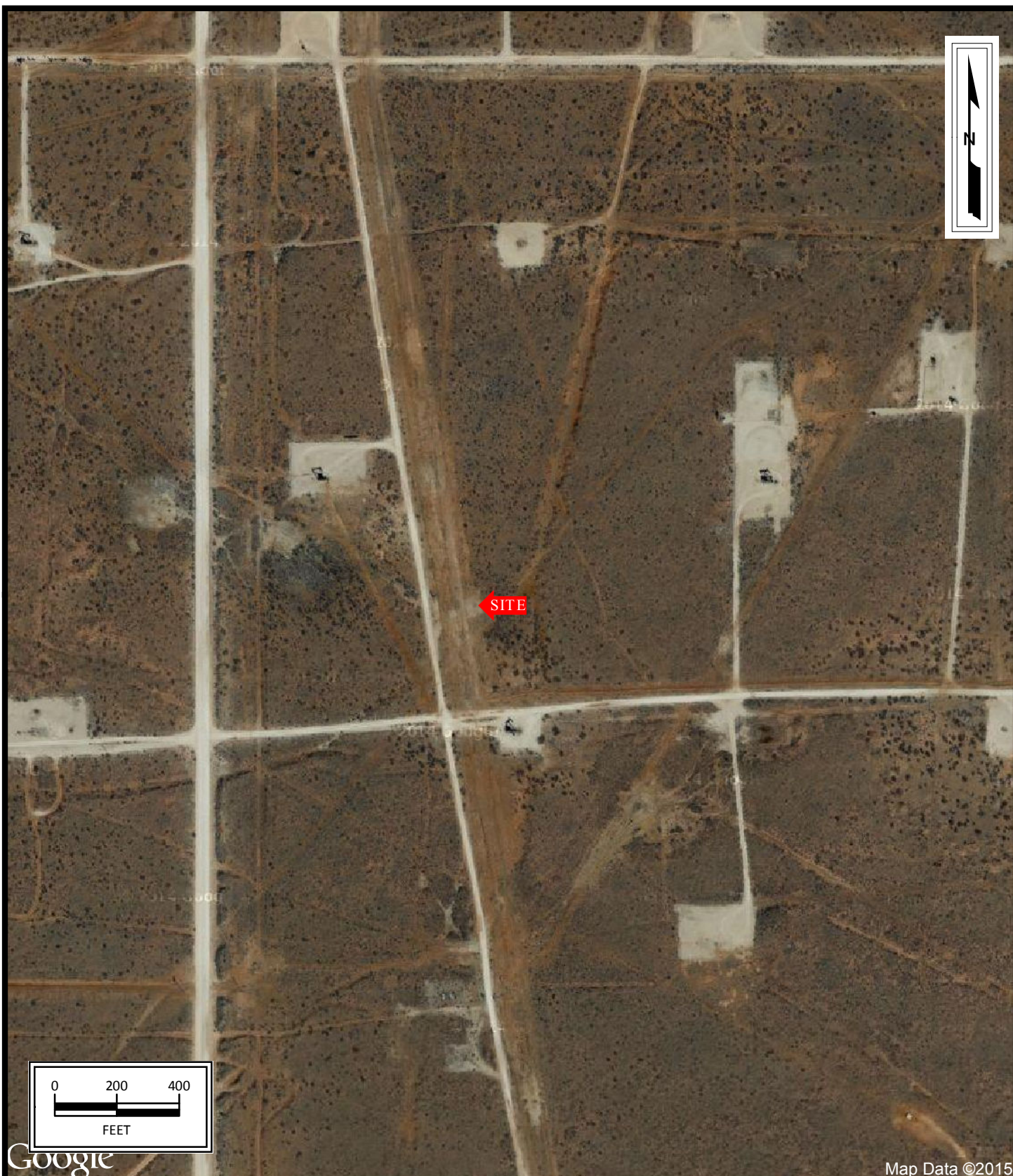
Apex TITAN, Inc.

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



Map Data ©2015

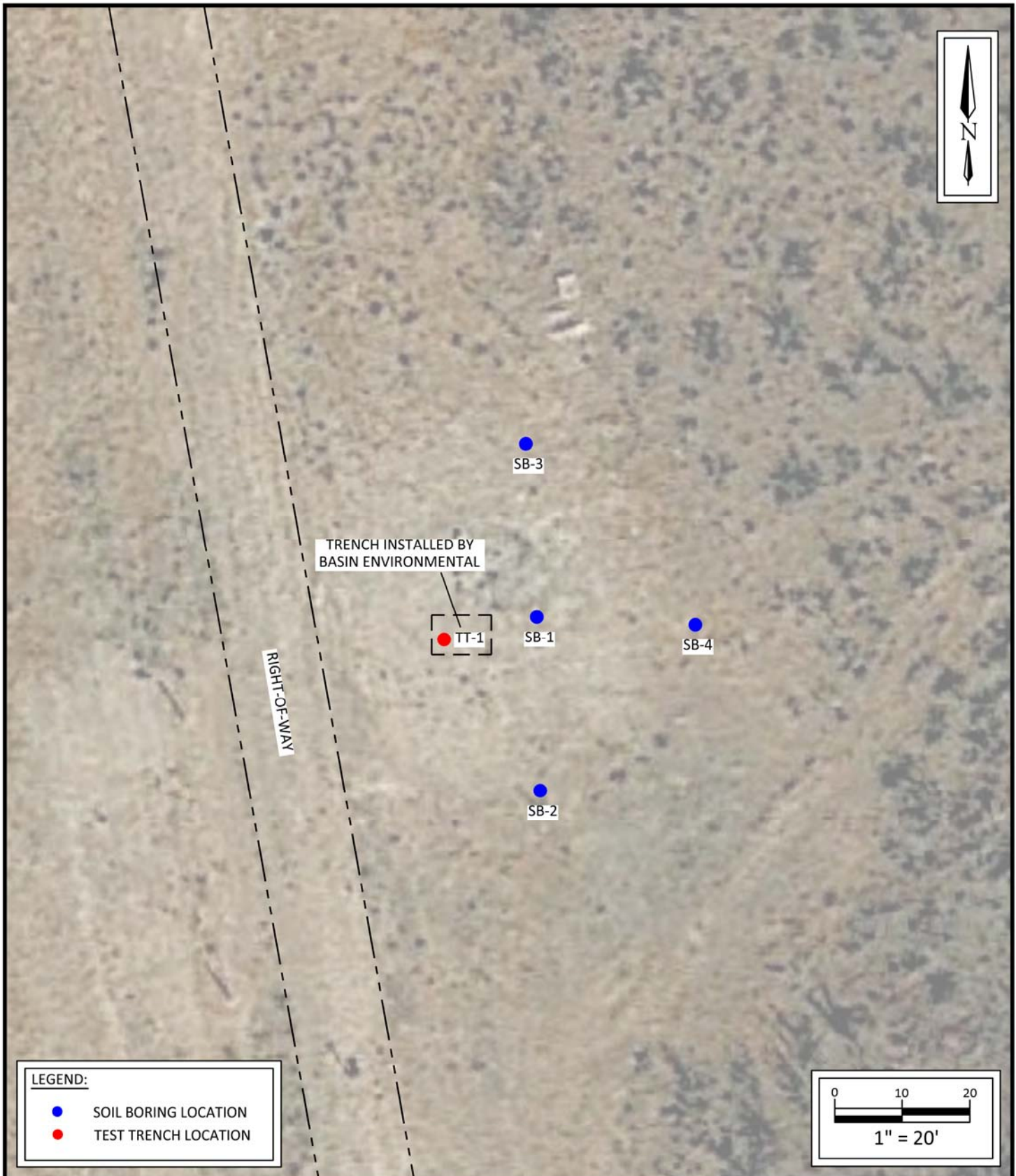
Regency - Trunk "O" Drip Tank #107
 Lea County, New Mexico
 32.50335N, 103.28578W

Project No. 7030714G042.001



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 505 N. Big Spring Street, Suite 301A
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 A Subsidiary of Apex Companies, LLC

FIGURE 2
Site Vicinity Map



Regency - Trunk "O" Drip Tank #107
Lea County, New Mexico
32.50335N, 103.28578W

Project No. 7030714G042.001



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FIGURE 3
Site Map

APPENDIX B

Soil Analytical Summary Table

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
 TRUNK "O" D.T. #107
 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 CHLORIDE (mg/Kg)
				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)		
SP#1 @ Surface	Surface	4/22/2013	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	64.5	19,200	3,830	23,094	10,800
TT-1 @ 2'	2'	4/22/2013	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.4	52.5	72.9	80.0
TT-1 @ 4'	4'	4/22/2013	In-Situ	<0.050	0.071	<0.050	<0.150	<0.300	<10.0	<10.0	15.4	15.4	848
TT-1 @ 8'	8'	4/22/2013	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,570
TT-1 @ 14'	14'	4/22/2013	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,180
NMOCD Standard				10				50				5,000	1,000

- = Not analyzed.



TABLE 2
REGENCY - Trunk "O" Drip Tank #107
ANALYTICAL RESULTS

TABLE 2 REGENCY - Trunk "O" Drip Tank #107 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		5,000	1000
SOIL BORING CONFIRMATION SAMPLES											
Soil Bore-1	02/17/2015	0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00	<50.0	110
Soil Bore-1	02/17/2015	2-3'	-	-	-	-	-	-	-	-	<25.0
Soil Bore-1	02/17/2015	4-5'	-	-	-	-	-	-	-	-	<25.0
Soil Bore-1	02/17/2015	6-7'	-	-	-	-	-	-	-	-	57.4
Soil Bore-1	02/17/2015	9-10'	-	-	-	-	-	-	-	-	81.5
Soil Bore-1	02/17/2015	14-15'	-	-	-	-	-	-	-	-	29.4
Soil Bore-2	02/17/2015	0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00	<50.0	26.4
Soil Bore-2	02/17/2015	2-3'	-	-	-	-	-	-	-	-	27.3
Soil Bore-2	02/17/2015	4-5'	-	-	-	-	-	-	-	-	27.1
Soil Bore-3	02/17/2015	0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00	<50.0	<25.0
Soil Bore-3	02/17/2015	2-3'	-	-	-	-	-	-	-	-	<25.0
Soil Bore-3	02/17/2015	4-5'	-	-	-	-	-	-	-	-	<25.0
Soil Bore-4	02/17/2015	0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00	<50.0	<25.0
Soil Bore-4	02/17/2015	2-3'	-	-	-	-	-	-	-	-	25.9
Soil Bore-4	02/17/2015	4-5'	-	-	-	-	-	-	-	-	34.6

mg/Kg- milligrams per Kilograms

NE - Not Established

Concentrations in Bold and Highlighted exceed the NMOCDC Guidelines

APPENDIX C

Photos



View East – Picture taken 9/3/2014



View North – Picture taken 9/3/2014



View West – Picture taken 2/17/2015 during
Soil Boring Activities

APPENDIX D

Laboratory Analysis and Chain-of-Custody



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

April 30, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK "O" D.T. #107

Enclosed are the results of analyses for samples received by the laboratory on 04/23/13 11:03.

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

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/23/2013
Reported: 04/30/2013
Project Name: TRUNK "O" D.T. #107
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 04/22/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP #1 @ SURFACE (H300948-01)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2013	ND	1.75	87.5	2.00	0.211	
Toluene*	<0.050	0.050	04/24/2013	ND	1.61	80.6	2.00	0.0547	
Ethylbenzene*	<0.050	0.050	04/24/2013	ND	1.73	86.3	2.00	1.63	
Total Xylenes*	<0.150	0.150	04/24/2013	ND	5.06	84.4	6.00	1.34	
Total BTEX	<0.300	0.300	04/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	04/24/2013	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	64.5	50.0	04/23/2013	ND	205	103	200	4.08	
DRO >C10-C28	19200	50.0	04/23/2013	ND	190	94.9	200	8.60	
EXT DRO >C28-C35	3830	50.0	04/23/2013	ND					

Surrogate: 1-Chlorooctane 96.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 727 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

 Received: 04/23/2013
 Reported: 04/30/2013
 Project Name: TRUNK "O" D.T. #107
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 04/22/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: TT - 1 @ 2' (H300948-02)

BTX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2013	ND	2.18	109	2.00	0.709		
Toluene*	<0.050	0.050	04/29/2013	ND	1.96	98.2	2.00	0.399		
Ethylbenzene*	<0.050	0.050	04/29/2013	ND	2.14	107	2.00	0.0330		
Total Xylenes*	<0.150	0.150	04/29/2013	ND	6.18	103	6.00	1.28		
Total BTX	<0.300	0.300	04/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/24/2013	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2013	ND	205	103	200	4.08	
DRO >C10-C28	20.4	10.0	04/23/2013	ND	190	94.9	200	8.60	
EXT DRO >C28-C35	52.5	10.0	04/23/2013	ND					

Surrogate: 1-Chlorooctane 89.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Reported: 04/30/2013
Project Name: TRUNK "O" D.T. #107
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 04/22/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TT - 1 @ 4' (H300948-03)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2013	ND	2.18	109	2.00	0.709	
Toluene*	0.071	0.050	04/29/2013	ND	1.96	98.2	2.00	0.399	
Ethylbenzene*	<0.050	0.050	04/29/2013	ND	2.14	107	2.00	0.0330	
Total Xylenes*	<0.150	0.150	04/29/2013	ND	6.18	103	6.00	1.28	
Total BTEX	<0.300	0.300	04/29/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	04/24/2013	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2013	ND	205	103	200	4.08	
DRO >C10-C28	<10.0	10.0	04/23/2013	ND	190	94.9	200	8.60	
EXT DRO >C28-C35	15.4	10.0	04/23/2013	ND					

Surrogate: 1-Chlorooctane 87.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 04/22/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: TT - 1 @ 8' (H300948-04)

BTEx 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2013	ND	2.18	109	2.00	0.709		
Toluene*	<0.050	0.050	04/29/2013	ND	1.96	98.2	2.00	0.399		
Ethylbenzene*	<0.050	0.050	04/29/2013	ND	2.14	107	2.00	0.0330		
Total Xylenes*	<0.150	0.150	04/29/2013	ND	6.18	103	6.00	1.28		
Total BTEx	<0.300	0.300	04/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	04/24/2013	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2013	ND	205	103	200	4.08	
DRO >C10-C28	<10.0	10.0	04/23/2013	ND	190	94.9	200	8.60	
EXT DRO >C28-C35	<10.0	10.0	04/23/2013	ND					

Surrogate: 1-Chlorooctane 88.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

 Received: 04/23/2013
 Reported: 04/30/2013
 Project Name: TRUNK "O" D.T. #107
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 04/22/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: TT - 1 @ 14' (H300948-05)

BTX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2013	ND	2.18	109	2.00	0.709		
Toluene*	<0.050	0.050	04/29/2013	ND	1.96	98.2	2.00	0.399		
Ethylbenzene*	<0.050	0.050	04/29/2013	ND	2.14	107	2.00	0.0330		
Total Xylenes*	<0.150	0.150	04/29/2013	ND	6.18	103	6.00	1.28		
Total BTX	<0.300	0.300	04/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	04/24/2013	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2013	ND	205	103	200	4.08	
DRO >C10-C28	<10.0	10.0	04/23/2013	ND	190	94.9	200	8.60	
EXT DRO >C28-C35	<10.0	10.0	04/23/2013	ND					

Surrogate: 1-Chlorooctane 87.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Summary Report

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

Report Date: March 6, 2015

Work Order: 15021812



Project Location: Lea Co, NM
Project Name: Regency-Trunk "0" Drip Tank #107
Project Number: 7030714G042

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
387205	Soil Bore-1 (0-1)	soil	2015-02-17	12:52	2015-02-18
387206	Soil Bore-1 (2-3)	soil	2015-02-17	12:54	2015-02-18
387207	Soil Bore-1 (4-5)	soil	2015-02-17	12:56	2015-02-18
387208	Soil Bore-1 (6-7)	soil	2015-02-17	13:00	2015-02-18
387209	Soil Bore-1 (9-10)	soil	2015-02-17	13:01	2015-02-18
387210	Soil Bore-1 (14-15)	soil	2015-02-17	13:02	2015-02-18
387211	Soil Bore-2 (0-1)	soil	2015-02-17	13:19	2015-02-18
387212	Soil Bore-2 (2-3)	soil	2015-02-17	13:21	2015-02-18
387213	Soil Bore-2 (4-5)	soil	2015-02-17	13:24	2015-02-18
387214	Soil Bore-3 (0-1)	soil	2015-02-17	13:38	2015-02-18
387215	Soil Bore-3 (2-3)	soil	2015-02-17	13:40	2015-02-18
387216	Soil Bore-3 (4-5)	soil	2015-02-17	13:42	2015-02-18
387217	Soil Bore-4 (0-1)	soil	2015-02-17	14:00	2015-02-18
387218	Soil Bore-4 (2-3)	soil	2015-02-17	14:01	2015-02-18
387219	Soil Bore-4 (4-5)	soil	2015-02-17	14:02	2015-02-18

Sample - Field Code	BTEX				TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
387205 - Soil Bore-1 (0-1)	<0.0200	<0.0200	<0.0200	<0.0200	<50.0 Qr	<4.00
387211 - Soil Bore-2 (0-1)	<0.0200	<0.0200	<0.0200	<0.0200	<50.0 Qr	<4.00
387214 - Soil Bore-3 (0-1)	<0.0200	<0.0200	<0.0200	<0.0200	<50.0 Qr	<4.00
387217 - Soil Bore-4 (0-1)	<0.0200	<0.0200	<0.0200	<0.0200	<50.0 Qr	<4.00

Sample: 387205 - Soil Bore-1 (0-1)

Param	Flag	Result	Units	RL
Chloride		110	mg/Kg	25

Sample: 387206 - Soil Bore-1 (2-3)

Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	25

Sample: 387207 - Soil Bore-1 (4-5)

Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	25

Sample: 387208 - Soil Bore-1 (6-7)

Param	Flag	Result	Units	RL
Chloride		57.4	mg/Kg	25

Sample: 387209 - Soil Bore-1 (9-10)

Param	Flag	Result	Units	RL
Chloride		81.5	mg/Kg	25

Sample: 387210 - Soil Bore-1 (14-15)

Param	Flag	Result	Units	RL
Chloride		29.4	mg/Kg	25

Sample: 387211 - Soil Bore-2 (0-1)

Param	Flag	Result	Units	RL
Chloride		26.4	mg/Kg	25

Sample: 387212 - Soil Bore-2 (2-3)

Param	Flag	Result	Units	RL
Chloride		27.3	mg/Kg	25

Sample: 387213 - Soil Bore-2 (4-5)

Param	Flag	Result	Units	RL
Chloride		27.1	mg/Kg	25

Sample: 387214 - Soil Bore-3 (0-1)

Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	25

Sample: 387215 - Soil Bore-3 (2-3)

Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	25

Sample: 387216 - Soil Bore-3 (4-5)

Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	25

Sample: 387217 - Soil Bore-4 (0-1)

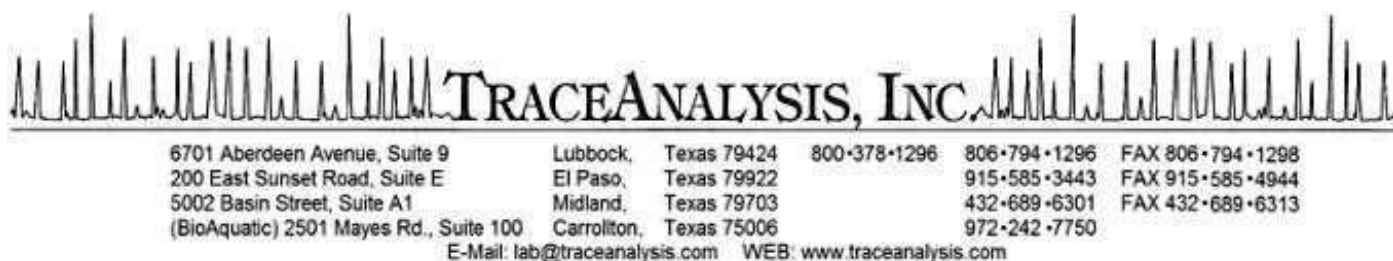
Param	Flag	Result	Units	RL
Chloride		<25.0	mg/Kg	25

Sample: 387218 - Soil Bore-4 (2-3)

Param	Flag	Result	Units	RL
Chloride		25.9	mg/Kg	25

Sample: 387219 - Soil Bore-4 (4-5)

Param	Flag	Result	Units	RL
Chloride		34.6	mg/Kg	25



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: March 6, 2015

Work Order: 15021812



Project Location: Lea Co, NM
 Project Name: Regency-Trunk "0" Drip Tank #107
 Project Number: 7030714G042

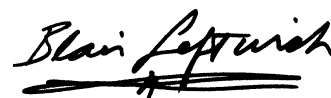
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
387205	Soil Bore-1 (0-1)	soil	2015-02-17	12:52	2015-02-18
387206	Soil Bore-1 (2-3)	soil	2015-02-17	12:54	2015-02-18
387207	Soil Bore-1 (4-5)	soil	2015-02-17	12:56	2015-02-18
387208	Soil Bore-1 (6-7)	soil	2015-02-17	13:00	2015-02-18
387209	Soil Bore-1 (9-10)	soil	2015-02-17	13:01	2015-02-18
387210	Soil Bore-1 (14-15)	soil	2015-02-17	13:02	2015-02-18
387211	Soil Bore-2 (0-1)	soil	2015-02-17	13:19	2015-02-18
387212	Soil Bore-2 (2-3)	soil	2015-02-17	13:21	2015-02-18
387213	Soil Bore-2 (4-5)	soil	2015-02-17	13:24	2015-02-18
387214	Soil Bore-3 (0-1)	soil	2015-02-17	13:38	2015-02-18
387215	Soil Bore-3 (2-3)	soil	2015-02-17	13:40	2015-02-18
387216	Soil Bore-3 (4-5)	soil	2015-02-17	13:42	2015-02-18
387217	Soil Bore-4 (0-1)	soil	2015-02-17	14:00	2015-02-18
387218	Soil Bore-4 (2-3)	soil	2015-02-17	14:01	2015-02-18
387219	Soil Bore-4 (4-5)	soil	2015-02-17	14:02	2015-02-18

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 29 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent horizontal line underneath the name.

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

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Case Narrative

Samples for project Regency-Trunk "0" Drip Tank #107 were received by TraceAnalysis, Inc. on 2015-02-18 and assigned to work order 15021812. Samples for work order 15021812 were received intact at a temperature of 4.7 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	101075	2015-02-20 at 10:19	119535	2015-02-21 at 19:55
Chloride (IC)	E 300.0	101217	2015-02-25 at 15:00	119676	2015-02-26 at 13:12
Chloride (IC)	E 300.0	101262	2015-03-02 at 13:00	119716	2015-03-02 at 13:56
Chloride (IC)	E 300.0	101363	2015-03-04 at 16:00	119824	2015-03-05 at 12:57
TPH DRO - NEW	S 8015 D	101143	2015-02-24 at 17:00	119593	2015-02-25 at 08:30
TPH GRO	S 8015 D	101075	2015-02-20 at 10:19	119536	2015-02-21 at 20:01

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 15021812 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.

Report Date: March 6, 2015
7030714G042

Work Order: 15021812
Regency-Trunk "0" Drip Tank #107

Page Number: 6 of 29
Lea Co, NM

Analytical Report

Sample: 387205 - Soil Bore-1 (0-1)

Laboratory: Midland
Analysis: BTEX
QC Batch: 119535
Prep Batch: 101075

Analytical Method: S 8021B
Date Analyzed: 2015-02-21
Sample Preparation: 2015-02-20

Prep Method: S 5035
Analyzed By: AK
Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	3	<0.0200	mg/Kg	1	0.0200
Toluene	u	3	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	3	<0.0200	mg/Kg	1	0.0200
Xylene	u	3	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.69	mg/Kg	1	2.00	84	70 - 130
4-Bromofluorobenzene (4-BFB)			1.87	mg/Kg	1	2.00	94	70 - 130

Sample: 387205 - Soil Bore-1 (0-1)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119676
Prep Batch: 101217

Analytical Method: E 300.0
Date Analyzed: 2015-02-26
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	110	mg/Kg	1	25.0

Sample: 387205 - Soil Bore-1 (0-1)

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 119593
Prep Batch: 101143

Analytical Method: S 8015 D
Date Analyzed: 2015-02-25
Sample Preparation: 2015-02-24

Prep Method: N/A
Analyzed By: SC
Prepared By: SC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	Qr	3	<50.0	mg/Kg	1	50.0

Report Date: March 6, 2015
7030714G042

Work Order: 15021812
Regency-Trunk "0" Drip Tank #107

Page Number: 7 of 29
Lea Co, NM

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			101	mg/Kg	1	100	101	70 - 130

Sample: 387205 - Soil Bore-1 (0-1)

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 119536
Prep Batch: 101075

Analytical Method: S 8015 D
Date Analyzed: 2015-02-21
Sample Preparation: 2015-02-20

Prep Method: S 5035
Analyzed By: AK
Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	u	3	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.71	mg/Kg	1	2.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)			1.67	mg/Kg	1	2.00	84	70 - 130

Sample: 387206 - Soil Bore-1 (2-3)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119716
Prep Batch: 101262

Analytical Method: E 300.0
Date Analyzed: 2015-03-02
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 387207 - Soil Bore-1 (4-5)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119676
Prep Batch: 101217

Analytical Method: E 300.0
Date Analyzed: 2015-02-26
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

continued ...

Report Date: March 6, 2015
7030714G042

Work Order: 15021812
Regency-Trunk "0" Drip Tank #107

Page Number: 8 of 29
Lea Co, NM

sample 387207 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 387208 - Soil Bore-1 (6-7)

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	119716	Date Analyzed:	2015-03-02	Analyzed By:	RL
Prep Batch:	101262	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	57.4	mg/Kg	1	25.0

Sample: 387209 - Soil Bore-1 (9-10)

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	119716	Date Analyzed:	2015-03-02	Analyzed By:	RL
Prep Batch:	101262	Sample Preparation:		Prepared By:	RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	81.5	mg/Kg	1	25.0

Sample: 387210 - Soil Bore-1 (14-15)

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	119716	Date Analyzed:	2015-03-02	Analyzed By:	RL
Prep Batch:	101262	Sample Preparation:		Prepared By:	RL

Report Date: March 6, 2015
7030714G042

Work Order: 15021812
Regency-Trunk "0" Drip Tank #107

Page Number: 9 of 29
Lea Co, NM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	29.4	mg/Kg	1	25.0

Sample: 387211 - Soil Bore-2 (0-1)

Laboratory: Midland
Analysis: BTEX
QC Batch: 119535
Prep Batch: 101075

Analytical Method: S 8021B
Date Analyzed: 2015-02-21
Sample Preparation: 2015-02-20

Prep Method: S 5035
Analyzed By: AK
Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	3	<0.0200	mg/Kg	1	0.0200
Toluene	u	3	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	3	<0.0200	mg/Kg	1	0.0200
Xylene	u	3	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.74	mg/Kg	1	2.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)			1.96	mg/Kg	1	2.00	98	70 - 130

Sample: 387211 - Soil Bore-2 (0-1)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119716
Prep Batch: 101262

Analytical Method: E 300.0
Date Analyzed: 2015-03-02
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	26.4	mg/Kg	1	25.0

Sample: 387211 - Soil Bore-2 (0-1)

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 119593
Prep Batch: 101143

Analytical Method: S 8015 D
Date Analyzed: 2015-02-25
Sample Preparation: 2015-02-24

Prep Method: N/A
Analyzed By: SC
Prepared By: SC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			96.3	mg/Kg	1	100	96	70 - 130

Sample: 387211 - Soil Bore-2 (0-1)

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 119536
Prep Batch: 101075

Analytical Method: S 8015 D
Date Analyzed: 2015-02-21
Sample Preparation: 2015-02-20

Prep Method: S 5035
Analyzed By: AK
Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.83	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			1.78	mg/Kg	1	2.00	89	70 - 130

Sample: 387212 - Soil Bore-2 (2-3)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119716
Prep Batch: 101262

Analytical Method: E 300.0
Date Analyzed: 2015-03-02
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	27.3	mg/Kg	1	25.0

Sample: 387213 - Soil Bore-2 (4-5)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119716
Prep Batch: 101262

Analytical Method: E 300.0
Date Analyzed: 2015-03-02
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	27.1	mg/Kg	1	25.0

Sample: 387214 - Soil Bore-3 (0-1)

Laboratory: Midland

Analysis: BTEX

QC Batch: 119535

Prep Batch: 101075

Analytical Method: S 8021B

Date Analyzed: 2015-02-21

Sample Preparation: 2015-02-20

Prep Method: S 5035

Analyzed By: AK

Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	3	<0.0200	mg/Kg	1	0.0200
Toluene	u	3	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	3	<0.0200	mg/Kg	1	0.0200
Xylene	u	3	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.74	mg/Kg	1	2.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)			1.96	mg/Kg	1	2.00	98	70 - 130

Sample: 387214 - Soil Bore-3 (0-1)

Laboratory: Lubbock

Analysis: Chloride (IC)

QC Batch: 119716

Prep Batch: 101262

Analytical Method: E 300.0

Date Analyzed: 2015-03-02

Sample Preparation:

Prep Method: N/A

Analyzed By: RL

Prepared By: RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 387214 - Soil Bore-3 (0-1)

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 119593

Prep Batch: 101143

Analytical Method: S 8015 D

Date Analyzed: 2015-02-25

Sample Preparation: 2015-02-24

Prep Method: N/A

Analyzed By: SC

Prepared By: SC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			101	mg/Kg	1	100	101	70 - 130

Sample: 387214 - Soil Bore-3 (0-1)

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 119536
Prep Batch: 101075

Analytical Method: S 8015 D
Date Analyzed: 2015-02-21
Sample Preparation: 2015-02-20

Prep Method: S 5035
Analyzed By: AK
Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.81	mg/Kg	1	2.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)			1.74	mg/Kg	1	2.00	87	70 - 130

Sample: 387215 - Soil Bore-3 (2-3)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119716
Prep Batch: 101262

Analytical Method: E 300.0
Date Analyzed: 2015-03-02
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 387216 - Soil Bore-3 (4-5)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119824
Prep Batch: 101363

Analytical Method: E 300.0
Date Analyzed: 2015-03-05
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 387217 - Soil Bore-4 (0-1)

Laboratory: Midland

Analysis: BTEX

QC Batch: 119535

Prep Batch: 101075

Analytical Method: S 8021B

Date Analyzed: 2015-02-21

Sample Preparation: 2015-02-20

Prep Method: S 5035

Analyzed By: AK

Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	3	<0.0200	mg/Kg	1	0.0200
Toluene	u	3	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	3	<0.0200	mg/Kg	1	0.0200
Xylene	u	3	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.80	mg/Kg	1	2.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)			1.99	mg/Kg	1	2.00	100	70 - 130

Sample: 387217 - Soil Bore-4 (0-1)

Laboratory: Lubbock

Analysis: Chloride (IC)

QC Batch: 119824

Prep Batch: 101363

Analytical Method: E 300.0

Date Analyzed: 2015-03-05

Sample Preparation:

Prep Method: N/A

Analyzed By: RL

Prepared By: RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	<25.0	mg/Kg	1	25.0

Sample: 387217 - Soil Bore-4 (0-1)

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 119593

Prep Batch: 101143

Analytical Method: S 8015 D

Date Analyzed: 2015-02-25

Sample Preparation: 2015-02-24

Prep Method: N/A

Analyzed By: SC

Prepared By: SC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			99.2	mg/Kg	1	100	99	70 - 130

Sample: 387217 - Soil Bore-4 (0-1)

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 119536
Prep Batch: 101075

Analytical Method: S 8015 D
Date Analyzed: 2015-02-21
Sample Preparation: 2015-02-20

Prep Method: S 5035
Analyzed By: AK
Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.81	mg/Kg	1	2.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)			1.78	mg/Kg	1	2.00	89	70 - 130

Sample: 387218 - Soil Bore-4 (2-3)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119824
Prep Batch: 101363

Analytical Method: E 300.0
Date Analyzed: 2015-03-05
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	25.9	mg/Kg	1	25.0

Sample: 387219 - Soil Bore-4 (4-5)

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 119824
Prep Batch: 101363

Analytical Method: E 300.0
Date Analyzed: 2015-03-05
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,2,4	34.6	mg/Kg	1	25.0

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Method Blanks

Method Blank (1) QC Batch: 119535

QC Batch: 119535 Date Analyzed: 2015-02-21 Analyzed By: AK
Prep Batch: 101075 QC Preparation: 2015-02-20 Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		3	<0.00533	mg/Kg	0.02
Toluene		3	<0.00645	mg/Kg	0.02
Ethylbenzene		3	<0.0116	mg/Kg	0.02
Xylene		3	<0.00874	mg/Kg	0.02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.65	mg/Kg	1	2.00	82	70 - 130
4-Bromofluorobenzene (4-BFB)			1.93	mg/Kg	1	2.00	96	70 - 130

Method Blank (1) QC Batch: 119536

QC Batch: 119536 Date Analyzed: 2015-02-21 Analyzed By: AK
Prep Batch: 101075 QC Preparation: 2015-02-20 Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
GRO		3	<2.32	mg/Kg	4

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.66	mg/Kg	1	2.00	83	70 - 130
4-Bromofluorobenzene (4-BFB)			1.72	mg/Kg	1	2.00	86	70 - 130

Method Blank (1) QC Batch: 119593

QC Batch: 119593 Date Analyzed: 2015-02-25 Analyzed By: SC
Prep Batch: 101143 QC Preparation: 2015-02-24 Prepared By: SC

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Parameter	Flag	Cert	MDL Result	Units	RL
DRO		3	<7.41	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			98.4	mg/Kg	1	100	98	70 - 130

Method Blank (1) QC Batch: 119676

QC Batch: 119676 Date Analyzed: 2015-02-26 Analyzed By: RL
Prep Batch: 101217 QC Preparation: 2015-02-25 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1,2,4	<3.97	mg/Kg	25

Method Blank (1) QC Batch: 119716

QC Batch: 119716 Date Analyzed: 2015-03-02 Analyzed By: RL
Prep Batch: 101262 QC Preparation: 2015-03-02 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1,2,4	<3.97	mg/Kg	25

Method Blank (1) QC Batch: 119824

QC Batch: 119824 Date Analyzed: 2015-03-05 Analyzed By: RL
Prep Batch: 101363 QC Preparation: 2015-03-04 Prepared By: RL

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1,2,4	6.99	mg/Kg	25

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Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119535
Prep Batch: 101075

Date Analyzed: 2015-02-21
QC Preparation: 2015-02-20

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		3	1.87	mg/Kg	1	2.00	<0.00533	94	70 - 130
Toluene		3	1.87	mg/Kg	1	2.00	<0.00645	94	70 - 130
Ethylbenzene		3	1.92	mg/Kg	1	2.00	<0.0116	96	70 - 130
Xylene		3	5.79	mg/Kg	1	6.00	<0.00874	96	70 - 130

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		3	1.84	mg/Kg	1	2.00	<0.00533	92	70 - 130	2	20
Toluene		3	1.81	mg/Kg	1	2.00	<0.00645	90	70 - 130	3	20
Ethylbenzene		3	1.84	mg/Kg	1	2.00	<0.0116	92	70 - 130	4	20
Xylene		3	5.55	mg/Kg	1	6.00	<0.00874	92	70 - 130	4	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.73	1.63	mg/Kg	1	2.00	86	82	70 - 130
4-Bromofluorobenzene (4-BFB)	2.01	1.97	mg/Kg	1	2.00	100	98	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 119536
Prep Batch: 101075

Date Analyzed: 2015-02-21
QC Preparation: 2015-02-20

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		3	19.3	mg/Kg	1	20.0	<2.32	96	70 - 130

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

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control spikes continued . . .

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		3	20.8	mg/Kg	1	20.0	<2.32	104	70 - 130	8	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.77	1.82	mg/Kg	1	2.00	88	91	70 - 130
4-Bromofluorobenzene (4-BFB)	1.85	1.84	mg/Kg	1	2.00	92	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 119593
Prep Batch: 101143

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-24

Analyzed By: SC
Prepared By: SC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		3	243	mg/Kg	1	250	<7.41	97	70 - 130

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		3	240	mg/Kg	1	250	<7.41	96	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	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
n-Tricosane	106	105	mg/Kg	1	100	106	105	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 119676
Prep Batch: 101217

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-25

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	234	mg/Kg	1	250	<3.97	94	90 - 110

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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		1,2,4	231	mg/Kg	1	250	<3.97	92	90 - 110	1	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: 119716
Prep Batch: 101262

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	231	mg/Kg	1	250	<3.97	92	90 - 110

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		1,2,4	233	mg/Kg	1	250	<3.97	93	90 - 110	1	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: 119824
Prep Batch: 101363

Date Analyzed: 2015-03-05
QC Preparation: 2015-03-04

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	235	mg/Kg	1	250	<3.97	94	90 - 110

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		1,2,4	233	mg/Kg	1	250	<3.97	93	90 - 110	1	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: 387120

QC Batch: 119535
Prep Batch: 101075

Date Analyzed: 2015-02-21
QC Preparation: 2015-02-20

Analyzed By: AK
Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		3	1.58	mg/Kg	1	2.00	<0.00533	79	70 - 130
Toluene		3	1.60	mg/Kg	1	2.00	<0.00645	80	70 - 130
Ethylbenzene		3	1.75	mg/Kg	1	2.00	<0.0116	88	70 - 130
Xylene		3	5.26	mg/Kg	1	6.00	<0.00874	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
Benzene		3	1.54	mg/Kg	1	2.00	<0.00533	77	70 - 130	3	20
Toluene		3	1.60	mg/Kg	1	2.00	<0.00645	80	70 - 130	0	20
Ethylbenzene		3	1.75	mg/Kg	1	2.00	<0.0116	88	70 - 130	0	20
Xylene		3	5.25	mg/Kg	1	6.00	<0.00874	88	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
Trifluorotoluene (TFT)	1.79	1.71	mg/Kg	1	2	90	86	70 - 130
4-Bromofluorobenzene (4-BFB)	2.00	1.89	mg/Kg	1	2	100	94	70 - 130

Matrix Spike (MS-1) Spiked Sample: 387120

QC Batch: 119536
Prep Batch: 101075

Date Analyzed: 2015-02-21
QC Preparation: 2015-02-20

Analyzed By: AK
Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		3	18.7	mg/Kg	1	20.0	<2.32	94	70 - 130

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

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matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		3	15.7	mg/Kg	1	20.0	<2.32	78	70 - 130	17	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)	1.71	1.79	mg/Kg	1	2	86	90	70 - 130
4-Bromofluorobenzene (4-BFB)	1.83	1.86	mg/Kg	1	2	92	93	70 - 130

Matrix Spike (MS-1) Spiked Sample: 387138

QC Batch: 119593
Prep Batch: 101143

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-24

Analyzed By: SC
Prepared By: SC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		3	192	mg/Kg	1	250	<7.41	77	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	Qr	Qr 3	237	mg/Kg	1	250	<7.41	95	70 - 130	21	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	90.1	102	mg/Kg	1	100	90	102	70 - 130

Matrix Spike (MS-1) Spiked Sample: 387207

QC Batch: 119676
Prep Batch: 101217

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-25

Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	246	mg/Kg	1	250	23	89	80 - 120

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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		1,2,4	238	mg/Kg	1	250	23	86	80 - 120	3	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: 387215

QC Batch: 119716
Prep Batch: 101262

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	228	mg/Kg	1	250	19.1	84	80 - 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
Chloride		1,2,4	229	mg/Kg	1	250	19.1	84	80 - 120	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: 387436

QC Batch: 119824
Prep Batch: 101363

Date Analyzed: 2015-03-05
QC Preparation: 2015-03-04

Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,4	2530	mg/Kg	5	1250	1100	114	80 - 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
Chloride		1,2,4	2510	mg/Kg	5	1250	1100	113	80 - 120	1	20

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

Calibration Standards

Standard (CCV-1)

QC Batch: 119535

Date Analyzed: 2015-02-21

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		3	mg/kg	0.100	0.0970	97	80 - 120	2015-02-21
Toluene		3	mg/kg	0.100	0.0971	97	80 - 120	2015-02-21
Ethylbenzene		3	mg/kg	0.100	0.0981	98	80 - 120	2015-02-21
Xylene		3	mg/kg	0.300	0.295	98	80 - 120	2015-02-21

Standard (CCV-2)

QC Batch: 119535

Date Analyzed: 2015-02-21

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		3	mg/kg	0.100	0.0945	94	80 - 120	2015-02-21
Toluene		3	mg/kg	0.100	0.0953	95	80 - 120	2015-02-21
Ethylbenzene		3	mg/kg	0.100	0.0968	97	80 - 120	2015-02-21
Xylene		3	mg/kg	0.300	0.290	97	80 - 120	2015-02-21

Standard (CCV-1)

QC Batch: 119536

Date Analyzed: 2015-02-21

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		3	mg/Kg	1.00	1.03	103	80 - 120	2015-02-21

Standard (CCV-2)

QC Batch: 119536

Date Analyzed: 2015-02-21

Analyzed By: AK

Report Date: March 6, 2015
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Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		3	mg/Kg	1.00	1.03	103	80 - 120	2015-02-21

Standard (CCV-2)

QC Batch: 119593

Date Analyzed: 2015-02-25

Analyzed By: SC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		3	mg/Kg	250	232	93	80 - 120	2015-02-25

Standard (CCV-3)

QC Batch: 119593

Date Analyzed: 2015-02-25

Analyzed By: SC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		3	mg/Kg	250	227	91	80 - 120	2015-02-25

Standard (CCV-1)

QC Batch: 119676

Date Analyzed: 2015-02-26

Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	23.2	93	90 - 110	2015-02-26

Standard (CCV-2)

QC Batch: 119676

Date Analyzed: 2015-02-26

Analyzed By: RL

Report Date: March 6, 2015
7030714G042

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Regency-Trunk "0" Drip Tank #107

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Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	23.3	93	90 - 110	2015-02-26

Standard (CCV-1)

QC Batch: 119716

Date Analyzed: 2015-03-02

Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	23.1	92	90 - 110	2015-03-02

Standard (CCV-2)

QC Batch: 119716

Date Analyzed: 2015-03-02

Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	23.2	93	90 - 110	2015-03-02

Standard (CCV-1)

QC Batch: 119824

Date Analyzed: 2015-03-05

Analyzed By: RL

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	23.4	94	90 - 110	2015-03-05

Standard (CCV-2)

QC Batch: 119824

Date Analyzed: 2015-03-05

Analyzed By: RL

Report Date: March 6, 2015
7030714G042

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Regency-Trunk "0" Drip Tank #107

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Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,4	mg/Kg	25.0	23.1	92	90 - 110	2015-03-05

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	LELAP	LELAP-02003	Lubbock
2	NELAP	T104704219-14-10	Lubbock
3	NELAP	T104704392-14-8	Midland
4		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 than 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

Report Date: March 6, 2015
7030714G042

Work Order: 15021812
Regency-Trunk "0" Drip Tank #107

Page Number: 29 of 29
Lea Co, NM

Attachments

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

15021812

CHAIN OF CUSTODY RECORD




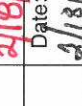
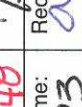
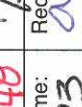



APEX		Laboratory: <u>Trace</u>		ANALYSIS REQUESTED		Lab use only	
Office Location <u>505 N Big Spring</u> <u>Midland TX</u>		Address: <u>Midland TX</u>		Temp. of coolers when received (C°): <u>47</u>		Due Date:	
Contact: _____		Phone: _____		1 2 3 4 5			
Project Manager <u>Thomas Franklin</u>		PO/SO #: _____		Page <u>1</u> of <u>2</u>			
Sampler's Name <u>Adrian Jackson</u>		Sampler's Signature <u>[Signature]</u>					
Proj. No. <u>70301010101</u>		Project Name <u>Lea Co DM</u>		No/Type of Containers			
Identifying Marks of Sample(s) <u>Regency-Trunk "O" Drip Tank #107</u>		Depth		Start		End	
Matrix	Date	Time	Depth	Start	End	Depth	Time
S	2/17	12:52	0	1	1	0	1
		12:54	2	3	3	2	3
		12:56	4	5	5	4	5
		13:00	6	7	7	6	7
		13:01	9	10	10	9	10
		13:02	14	15	15	14	15
		13:19	0	1	1	0	1
		13:21	2	3	3	2	3
		13:24	4	5	5	4	5
		13:38	0	1	1	0	1
Turn around time	□ Normal	□ 25% Rush	□ 50% Rush	□ 100% Rush			
Relinquished by (Signature) <u>[Signature]</u>	Date: <u>2/18/15</u>	Time: <u>8:48</u>	Received by (Signature) <u>[Signature]</u>	Date: <u>2/18/15</u>	Time: <u>8:48</u>		
Relinquished by (Signature) <u>[Signature]</u>	Date: <u>2/18/15</u>	Time: <u>9:13</u>	Received by (Signature) <u>[Signature]</u>	Date: <u>2/18/15</u>	Time: <u>9:13</u>		
Relinquished by (Signature) <u>[Signature]</u>	Date: <u>2/18/15</u>	Time: <u>15:30</u>	Received by (Signature) <u>[Signature]</u>	Date: <u>2/19/15</u>	Time: <u>8:30</u>		
Relinquished by (Signature) <u>[Signature]</u>	Date: _____	Time: _____	Received by (Signature) <u>[Signature]</u>	Date: <u>2/19/15</u>	Time: <u>18:30</u>		
Matrix Container	WW - Wastewater VOA - 40 ml vial	S - Soil A/G - Amber / Or Glass 1 Liter	SD - Solid 250 ml - Glass wide mouth	A - Air Bag P/O - Plastic or other	C - Charcoal tube SL - sludge	O - Oil	

NOTES:

Direct bill to Regency
Hold deeper samples

15021812

CHAIN OF CUSTODY RECORD

 APEX Office Location 505 N Big Spring Midland TX		Laboratory: <u>Trace</u> Address: <u>Midland TX</u> Contact: _____ Phone: _____ PO/SO #: _____		ANALYSIS REQUESTED TPT DRO/LEAD 8021 B BTX Chloride 300.1		Lab use only Due Date: _____ Temp. of coolers when received (C°): 1 2 3 4 5 Page 2 of 2	
Project Manager <u>Thomas Franklin</u> Sampler's Name <u>Adrian Jackson</u>		Project Name <u>Lea Co NM</u> Identifying Marks of Sample(s) <u>Regency - Trunk "0" Drip Tank #107</u>		No/Type of Containers VOA A/G 1 Lr 250 ml Glass Jar 100 ml		Lab Sample ID (Lab Use Only) 387 215 216 217 218 219	
Proj. No.	Matrix	Date	Time	Depth	Start	End	Depth
70307144012	S	2/17	13:40	↓	2	3	↓
	↓		13:42	↓	4	5	↓
	↓		14:00	↓	0	1	↓
	↓		14:01	↓	2	3	↓
	↓		14:02	↓	4	5	↓
Turn around time <input type="checkbox"/> Normal <input type="checkbox"/> 25% Rush <input type="checkbox"/> 50% Rush <input type="checkbox"/> 100% Rush							
Relinquished by (Signature)		Date:	Time:	Received by (Signature)		Date:	Time:
		2/18/15	8:40			2/18/15	8:48
Relinquished by (Signature)		Date:	Time:	Received by (Signature)		Date:	Time:
		2/18/15	9:13			2/18/15	9:13
Relinquished by (Signature)		Date:	Time:	Received by (Signature)		Date:	Time:
		2/18/15	15:30			2-19-15	8:30
Relinquished by (Signature)		Date:	Time:	Received by (Signature)		Date:	Time:
		2/18/15	15:30			2-19-15	8:30
NOTES: Direct bill to Regency Hold deeper samples.							
Matrix	WW - Wastewater	W - Water	S - Soil	SD - Solid	L - Liquid	A - Air Bag	C - Charcoal tube
Container	VOA - 40 ml vial	A/G - Amber / Or Glass 1 Liter	250 ml - Glass wide mouth	P/O - Plastic or other	SL - sludge	O - Oil	

APPENDIX E

Initial and Final 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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

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. (Formerly-Southern Union Gas Services, Ltd.)	Contact: Crystal Callaway	
Address: 421 W. 3 rd Street, Suite 250, Ft Worth, TX 76102	Telephone No.: (817) 302-9407	
Facility Name: Trunk "O" Drip Tank #107	Facility Type: Natural Gas Gathering	
Surface Owner: State	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter O	Section 5	Township 21 S	Range 36 E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	--------------	------------------	---------------	---------------	------------------	---------------	----------------	---------------

Latitude 32.50335 Longitude -103.28578

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: Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 tank when it was removed.

Describe Area Affected and Cleanup Action Taken.*

The area measured approximately forty (40) feet in length and thirty (30) 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 April 22, 2013 Basin Environmental personnel installed one trench in the area of the drip tank. The soil samples were 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: <i>Crystal Callaway</i>	Approved by Environmental Specialist:	
Printed Name: <i>Crystal Callaway</i>	Approval Date:	Expiration Date:
Title: <i>SE Env Remediation Specialist</i>	Conditions of Approval:	
E-mail Address: <i>Crystal.Callaway@regencygs.com</i>	Attached <input type="checkbox"/>	
Date: <i>3/12/15</i>	Phone: <i>817-302-6514</i>	

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

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. (Formerly-Southern Union Gas Services, Ltd.)	Contact: Crystal Callaway
Address: 421 W. 3 rd Street, Suite 250, Ft. Worth, TX 76102	Telephone No.: 817-302-9407
Facility Name: Trunk "O" Drip Tank #107	Facility Type: Natural Gas Gathering

Surface Owner: State	Mineral Owner:	API No.
----------------------	----------------	---------

LOCATION OF RELEASE

Unit Letter O	Section 5	Township 21S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude 32.50335 Longitude -103.28578

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: Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

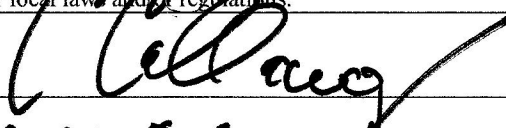
Describe Cause of Problem and Remedial Action Taken.*

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

Describe Area Affected and Cleanup Action Taken.*

The drip tank facility has been removed from the current location. The site was delineated by Apex Titan in 2015. Confirmation samples were collected and sent to an NMOCD approved laboratory, which determined concentrations of BTEX, TPH and chloride were less than the NMOCD regulatory standards. Subsequently, no further investigation or remediation is warranted at this time.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: CRYSTAL B. CALLAWAY	Approved by Environmental Specialist:	
Title: SENIOR REMEDIATION SPECIALIST	Approval Date:	Expiration Date:
E-mail Address: crystal.callaway@regencygas.com	Conditions of Approval:	
Date: 4/1/15	Phone: (817) 302-9407	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

APPENDIX F

Site History



REMEDIATION SUMMARY & SOIL CLOSURE REQUEST

**REGENCY FIELD SERVICES LLC.
Trunk "O" Drip Tank #107
Historical Release Site
Lea County, New Mexico
Unit Letter O, Section 5, Township 21 South, Range 36 East
Latitude 32.50335, Longitude -103.28578**

April 2015
Apex Project No. 7030714G042

SITE HISTORY

The previous remedial activities were reportedly conducted by Basin. This Closure Request is solely based upon the interpretation of the data provided by Basin and the work performed to date by Apex.

In reference to Table 1 as supplied by Basin, there is a chloride impact at the surface, eight (8) foot and fourteen (14) foot bgs. The two (2) foot sample and the four (4) foot sample do not show a significant impact which could possibly indicate a cross contamination during their sampling event.

During the sampling event as conducted by Apex, elevated chloride concentrations were not observed in the suspected soils. It is possible that the contamination was removed and not documented by Basin which would let the site appear to be clean. However, this is all speculation and cannot be proven, the only facts are the lab analytical that Apex collected showing the site as being below the Regulatory Standards.