

REMEDIATION SUMMARY & CLOSURE REQUEST

Property:

REGENCY FIELD SERVICES LLC. Trunk "C" Drip Tank Battery #16 Historical Release Site Lea County, New Mexico Unit Letter "M", Section 6, Township 26 South, Range 37 East Latitude 32.065446, Longitude -103.206583

> January 2015 Apex Project No. 7030714G050

> > Prepared for:

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Prepared by:

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Thomas Franklin Project Manager

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REMEDIATION SUMMARY & CLOSURE REQUEST

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January 2015 Apex Project No. 7030714G050

1.0 INTRODUCTION

1.1 Site Description & Background

Apex TITAN, Inc. (Apex) has prepared this Closure Request for the Regency Field Services, LLC (Regency) Trunk "C" Drip Tank Battery #16 (referred to hereinafter as the "Site" or "subject Site"). This 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 "C" Drip Tank Battery #16 were located in Unit Letter M, Section 6, Township 26 South, Range 37 East, Lea County, New Mexico (GPS 32.065446, -103.206583). Regency Field Services, LLC. have acquired this pipeline and associated equipment. The tanks and equipment were removed by the previous operator.

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 Closure Report 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:

Rankin	Ranking Score		
	<50 feet	20	
Depth to Groundwater	50 to 99 feet	10	0
	>100 feet	0	
Wellhead Protection Area,	Yes	20	
<1,000 feet from a water source, or; <200 feet from private domestic water source.	No	0	0
Distance to Surface	<200 feet	20	
Distance to Surface Water Body	200 to 1,000 feet	10	0
Water Body	>1,000 feet	0	
Total Rar	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, ethlybenzene and xylene (BTEX) and, 5,000 mg/Kg for total petroleum hydrocarbons (TPH).

3.0 INITIAL RESPONSE, EXCAVATION & DRILLING ACTIVITIES

3.1 Initial Response

The Trunk "C" Tank Battery #16 tanks and equipment were removed by the previous operator. On August 13, 2013 Basin personnel conducted an initial investigation at the Site. During the investigation, test trenches were installed and samples collected as shown in Figure 3, Appendix A. The soil samples were submitted for laboratory analysis which detected elevated chloride and Total BTEX concentrations where the former above ground storage tanks were located. Chloride concentrations in TT-1 at the surface were 640 mg/Kg increasing to 784 mg/Kg at a depth of twelve (12) feet below ground surface (bgs). Total BTEX concentrations were observed at thirteen (13) feet of 109 mg/Kg and twenty (20) feet of 64.5 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 Basin and began on August 27, 2013. The storage tanks had been removed, however, the outline of the historic facility was still visible. The excavation activities included removing impacted material from the historic facility and transporting it offsite to an approved disposal facility. The final dimensions of the excavation were approximately three hundred and twelve (312) feet in length, one hundred and forty five (145) feet in width and ten (10) to twelve (12) feet in depth as shown on Figure 4, Appendix A. Approximately three thousand, three hundred twenty four (3,324) cubic yards (yd³) of impacted soil was transported to Sundance Services Inc. for proper disposal. The excavated area was lined and fitted with three (3) eight (8) inch PVC conduits in the areas with the highest concentrations.

3.3 Excavation Confirmation Soil Sampling Program

Side wall and bottom hole soil samples were collected by Basin personnel and all of 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). Several areas exceed the NMOCD clean-up goals as discussed in Section 2.0 above. Test Trench Six (TT-6) exceeded Total TPH regulatory levels with 5,535 mg/Kg at thirty (30) feet bgs. The Southwest and Southeast Floors samples exceeded Total TPH levels with 7,908 mg/K and 6,216 mg/Kg at ten (10) feet bgs. Elevated chloride concentrations were found in the Below Ground Tank Test Trench (BGT TT) of 6,480 mg/KG at a depth of twenty one (21) feet bgs. The impacted soil at the Site was not vertically defined.

3.4 Drilling Activities

Apex personnel supervised soil boring activities in the areas that were not previously vertically delineated. On September 10, through September 11, 2014; Mr. Thomas Franklin, was present to observe on-Site activities and to collect bore hole samples. Three soil borings (SB-1@ BGT, SB-2 @ TT-6 and SB-3 @ SW Floor) as shown in Figure 3, were installed to depths of fifty (50) feet bgs, forty (40) feet bgs and thirty five (35) feet bgs, respectively. Samples were collected and field screened for chlorides and hydrocarbons.

3.5 Drilling Confirmation Soil Sampling Program

Seven (7) soil samples were collected from SB-1 by Apex personnel and analyzed for chlorides. Elevated chloride concentrations were found at depths down to forty five (45) feet bgs, with the highest concentration of 4,010 mg/Kg at twenty (20) feet, declining to 217 mg/Kg at fifty (50) feet bgs. Four (4) soil samples were collected from SB-2 and analyzed for TPH. Elevated TPH concentrations were found at depths down to ten (10) feet bgs, with the highest concentration of 13,640 mg/Kg at ten (10) feet declining to 819 mg/Kg at twenty (20) feet bgs. Five (5) soil samples were collected from SB-3 and analyzed for TPH. All five (5) samples were below the regulatory levels. Subsequently the site was vertically delineated.

4.0 LABORATORY ANALYTICAL METHODS

Samples collected 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 an approved laboratory for normal turn-around time.

Figure 3 is a Site plan that indicates the approximate location of the confirmation soil samples, test trench and soil bore samples in relation to pertinent land features and general Site boundaries.

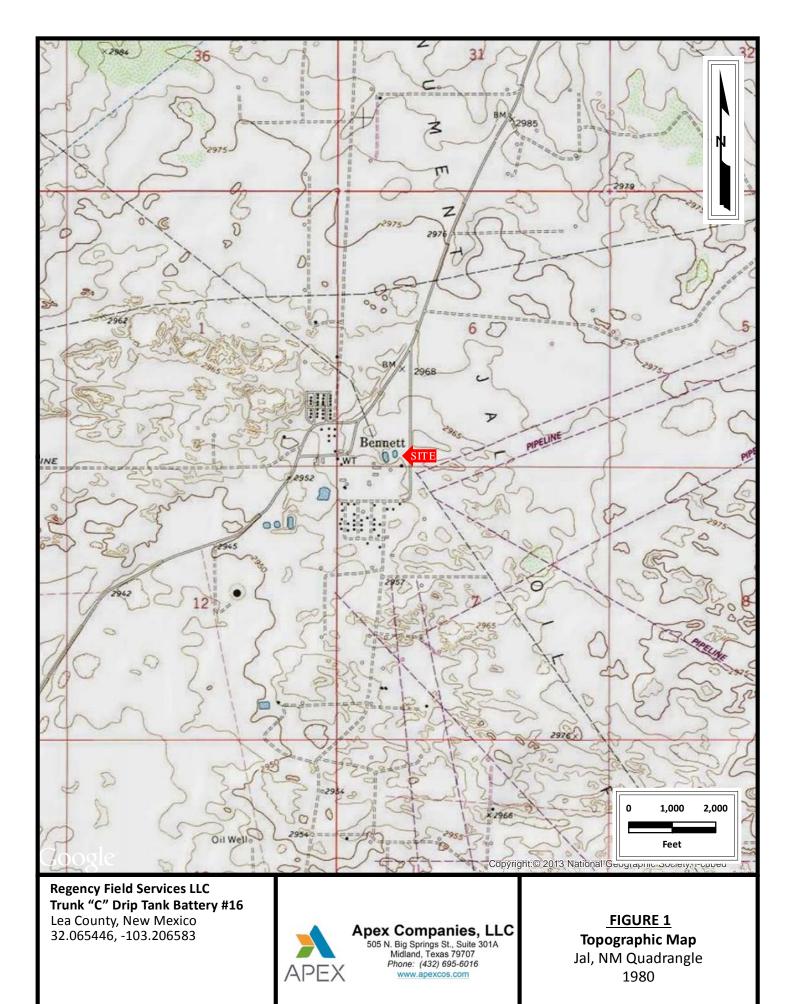
5.0 CLOSURE

Based upon the data provided by Basin and Apex and the photos shown in Appendix C, the site was delineated and brought to grade. 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 E.



APPENDIX A

Figures



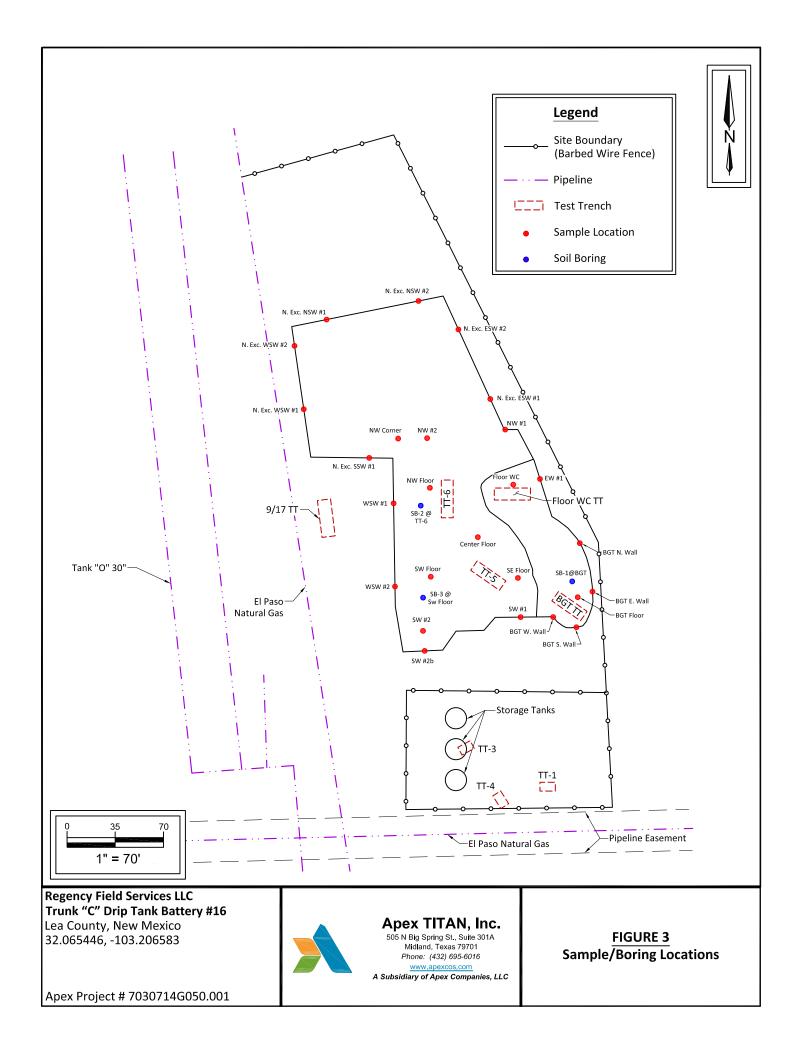
Apex Project # 7030714G050.001

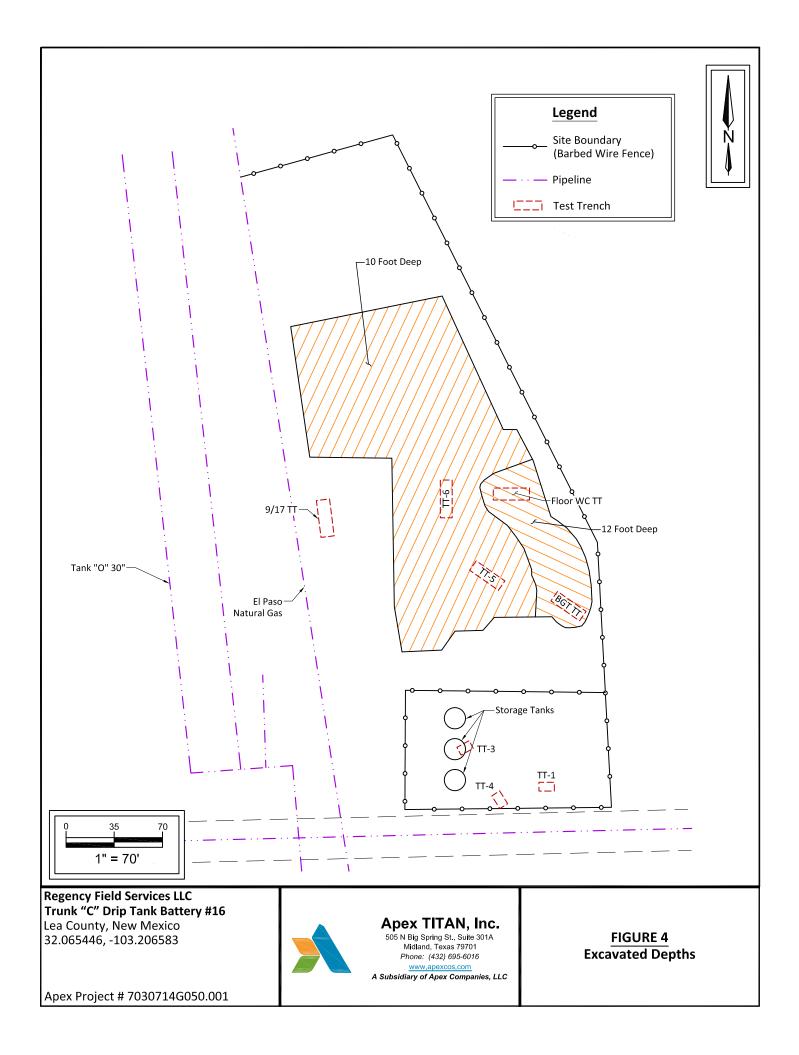


Trunk "C" Drip Tank Battery #16 Lea County, New Mexico 32.065446, -103.206583



Apex Companies, LLC 505 N. Big Springs St., Suite 301A Midland, Texas 79707 Phone: (432) 695-6016 www.apexcos.com FIGURE 2 Site Vicinity Map April 2013 Aerial Photograph Source Google Earth







APPENDIX B

Soil Analytical Results

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

REGENCY FIELD SERVICES, LLC TRUNK "C" DRIP TANK #16 HISTORICAL ENVIRONMENTAL REMEDIATION SITE LEA COUNTY, NEW MEXICO

	1				METHOD: E	PA SW 846-80	21B, 5030		ME	THOD: 801	5M	TOTAL	EPA: 300
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	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)	TPH C ₆ -C ₂₈ (mg/Kg)	CHLORIDE (mg/Kg)
TT-1 @ Surface	Surface	8/13/2013		< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	259	105	364	640
TT-1 @ 3'	3'	8/13/2013		< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	11.2	11.2	272
TT-1 @ 12'	12'	8/13/2013	In-Situ	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	784
TT-3 @ 6'	6'	8/13/2013	In-Situ	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	192
TT-3 @ 12'	12'	8/13/2013		<0.050	0.076	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	112
110612	12	0/10/2010	III Olta	<0.000	0.070	<0.000	<0.100	~0.000	<10.0	<10.0	<10.0	<10.0	112
TT-4 @ 3'	3'	8/13/2013	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	32
TT-4 @ 9'	9'	8/13/2013		< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<16.0
TT-5 @ Surface	Surface	8/13/2013	In-Situ	<0.500	0.143	0.239	1.20	1.58	<100	1,990	908	2,898	<16.0
TT-5 @ 6'	6'	8/13/2013	In-Situ	< 0.500	3.21	9.37	34.5	47.1	843	2,830	420	4,093	<16.0
TT-5 @ 13'	13'	8/13/2013	In-Situ	<2.00	12.3	12.8	83.9	109	1,640	2,850	318	4,808	<16.0
TT-5 @ 17'	17'	8/22/2013	In-Situ	<0.200	2.23	4.93	24.8	32.0	391	795	64.7	1,250.7	
TT-5 @ 20'	20'	8/22/2013		0.429	6.71	9.80	47.6	64.5	681	1,000	95.1	1,776	-
	20	GILLILOTO	in ond	0.120	0.11	0.00		0		.,		.,	
BGT West Wall	8'	8/28/2013	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	10.8	10.8	304
BGT North Wall	8'	8/28/2013	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	32.0
BGT East Wall	8'	8/28/2013		< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	28.0	27.1	55.1	<16.0
BGT South Wall	8'	8/28/2013		< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	288
BGT Floor	12'	8/28/2013	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1,390
TT-6 @ 15' TT-6 @ 20'	15' 20'	8/28/2013 8/28/2013	In-Situ In-Situ	<0.500 <0.400	<0.500	2.52	5.89 4.14	8.41 5.62	644 384	4,240 3,820	219 310	5,103 4.515	<16.0 16.0
TT-6 @ 25'	20	8/28/2013 8/28/2013		<0.400	<0.400	3.79	4.14 9.98	5.62	759	5,380	454	4,515 6,593	<16.0
TT-6 @ 30'	25 30'	8/28/2013		<0.800	<0.800	1.46	9.98	5.62	438	4,720	454 377	6,593 5,535	<16.0
	50	0/20/2013	in oitu	~0.400	~0.400	1.40	4.10	0.02		-,720	511	0,000	\$10.0
9/5 Stockpile	N/A	9/5/2013	Stockpiled	•	•	•	-	-	292	5,380	702	6,374	<16.0
9/9 Stockpile #2	N/A	9/9/2013	Stockpiled	•	•	•	•	-	35.7	875	290	1,200	<16.0
9/12 Stockpile #1	N/A	9/12/2013	Stockpiled	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	159	41.1	200	<16.0
9/12 Stockpile #2	N/A		Stockpiled	< 0.050	< 0.050	0.088	<0.150	< 0.300	<10.0	203	45.1	248	<16.0
9/12 Stockpile #3	N/A	9/12/2013	Stockpiled	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	35.9	16.8	52.7	32.0
Floor WC	N/A	9/16/2013	In-Situ	-	-	-	-	-	7,840	40,100	5,470	53,410	416
9/17 TT @ 9'	9'	9/17/2013	In-Situ	<0.500	1.53	7.97	14.1	23.6	639	3,870	623	4,509	<16.0
9/17 TT @ 12'	12'	9/17/2013		<0.100	0.474	1.86	4.46	6.79	109	857	153	966	<16.0
9/17 TT @ 15'	15'	9/17/2013	In-Situ	<0.050	0.281	1.66	3.89	5.83	196	1,390	252	1,586	<16.0
NW#1	8'	0/19/2012	In City	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	86.9	37.1	124	<16.0
NW#2	8'	9/18/2013 9/19/2013	In-Situ In-Situ	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	143	51.6	195	<16.0
EW #1	8'	9/20/2013		< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	47.1	29.3	76.4	<16.0
SW #1	8'	9/21/2013		< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	10.9	10.9	<16.0
SW #2	8'	9/22/2013		-	-	-	-	-	2,510	4510	186	7,206	<16.0
NW Floor	10'	9/23/2013		< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SW Floor	10'	9/24/2013		<0.500	<0.500	2.40	7.95	10.4	520	6,500	888	7,908	<16.0
SE Floor	10'	9/25/2013		< 0.500	< 0.500	< 0.500	8.68	8.68	499	4,920	797	6,216	<16.0
Center Floor	10'	9/26/2013	In-Situ	<0.050	< 0.050	<0.050	<0.150	<0.300	<50.0	2,610	525	3,135	<16.0
Floor WC TT @ 12'	12'	9/23/2013	In-Situ	-	-	-	-	-	418	3,640	317	4,375	
Floor WC TT @ 15'	12	9/24/2013		-	-	-	-	-	81	1,210	175	1,466	-
Floor WC TT @ 18'	18'	9/25/2013		<0.050	0.212	1.28	3.58	5.07	70	1,080	82.6	1232	-
BGT TT @ 21'	21'	9/27/2013	In-Situ	-	-	-	-	-	-	-	-	-	6,480
WSW #1	8'	10/1/2013		<0.100	<0.100	<0.100	<0.300	<0.600	<50.0	1,170	514	1,684	<16.0
WSW #2	8'	10/1/2013	In-Situ In-Situ	<0.050	<0.050	<0.050	< 0.300	< 0.300	<10.0	<10.0	<10.0	<10.0	<16.0
10/1 Stockpile	N/A	10/1/2013	N/A	<0.200	0.297	0.969	3.94	5.21	<50.0	1,340	291	1,631	<16.0
SSW #2b	8'	10/3/2013	In-Situ	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<16.0
NW Corner	8'	10/3/2013		0.525	0.734	8.94	9.36	19.6	679	13,500	2,930	17,109	<16.0
10/23 Stockpile #1	N/A	10/23/2013		<0.00612	<0.0122	<0.00612	<0.0122	<0.00612	200	1,550	<18.4	1,750	22.4
N. Exc. SSW #1	8'	10/25/2013	In-Situ	< 0.00102	< 0.00204	< 0.00102	< 0.00204	< 0.00204	<15.4	<15.4	<15.4	<15.4	3.77
N. Exc ESW #1	8'	10/25/2013	In-Situ	< 0.00109	< 0.00217	< 0.00109	< 0.00217	< 0.00217	<16.4	22.6	<16.4	22.6	4.67
N. Exc. WSW #1	8'	10/25/2013	In-Situ	<0.00100	<0.00201	<0.00100	<0.00201	<0.00201	42.9	821	<15.0	864	8.52
10/31 Stockpile	N/A	10/31/2013	Stockpile	< 0.000998	<0.00200	0.00157	0.00677	0.00834	62.3	1,170	<15.1	1,230	18.7
N. Exc. ESW #2	8'	10/31/2013	In-Situ	<0.000996	<0.00199	<0.000996	< 0.00199	< 0.00199	<15.9	21.8 928	<15.9	21.8	17.2
N. Exc. WSW #2 N. Exc. NSW #1	8' 8'	10/31/2013 10/31/2013	In-Situ In-Situ	<0.00996 <0.000994	<0.00199 <0.00199	<0.00996 <0.000994	0.00283	0.00283	24.4 29	928 461	<16.3 <15.7	952 490	16.9 17.8
N. Exc. NSW #1	8'	10/31/2013	In-Situ In-Situ	<0.000994	<0.00199	<0.000994	<0.00199	< 0.00199	<16.1	215	<16.1	215	17.8
	3	10/01/2013	in oltu		~0.00200	<0.000330	~0.00200			210			
NMOCD Standard	I			10				50				5,000	1,000

- = Not analyzed.



TABLE 2 REGENCY - TRUNK "C" DRIP TANK ANALYTICAL RESULTS									
Sample ID	Date	Sample Depth (feet)	TPH (GRO C6-C12) (mg/Kg)	TPH (DRO C12-C28) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)			
NMOCD - Recomme	nded Remediatio	n Action Levels	N	E	5,000	250			
		SOIL BORING	CONFIRMATIO	N SAMPLES					
SB-1 @ BGT	9/10/2014	10'	-	-	-	-			
SB-1 @ BGT	9/10/2014	15'	-	-	-	-			
SB-1 @ BGT	9/10/2014	20'	-	-	-	4010			
SB-1 @ BGT	9/10/2014	25'	-	-	-	2630			
SB-1 @ BGT	9/10/2014	30'	-	-	-	1440			
SB-1 @ BGT	9/10/2014	35'	-	-	-	902			
SB-1 @ BGT	9/10/2014	40'	-	-	-	559			
SB-1 @ BGT	9/10/2014	45'	-	-	-	324			
SB-1 @ BGT	9/10/2014	50'	-	-	-	217			
SB-2 @ TT-6	9/10/2014	10'	2,040	11,600	13,640	-			
SB-2 @ TT-6	9/10/2014	15'	-	-	-	-			
SB-2 @ TT-6	9/10/2014	20'	114	705	819	-			
SB-2 @ TT-6	9/10/2014	25'	-	-	-	-			
SB-2 @ TT-6	9/10/2014	30'	ND	86.7	86.7	-			
SB-2 @ TT-6	9/10/2014	35'	ND	32.1	32.1	-			
SB-2 @ TT-6	9/10/2014	40'	-	-	-	-			
SB-3 @ SW Floor	9/11/2014	10'	895	2,830	3,725	-			
SB-3 @ SW Floor	9/11/2014	15'	332	1,210	1,542	-			
SB-3 @ SW Floor	9/11/2014	20'	235	652	887	-			
SB-3 @ SW Floor	9/11/2014	25'	39	149	188	-			
SB-3 @ SW Floor	9/11/2014	30'	ND	27	27	-			
SB-3 @ SW Floor	9/11/2014	35'	-	-	-	-			

mg/Kg- milligrams per Kilograms

NE - Not Established

- (Not Analyized)

Concentrations in Bold and Highlighted exceed the NMOCD Guidelines



APPENDIX C

Photos



Staining from Tanks



Test Trench



Area of Excavation



Area of Excavation, Liner Installed



PVC Conduit Installation



Backfill



Backfill and Conduit



Backfill



Present Day with vegetation starting to grow.



APPENDIX D

Laboratory Analysis and Chain-of-Custody



August 20, 2013

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: TRUNK 'C' DRIP TANK #16

Enclosed are the results of analyses for samples received by the laboratory on 08/14/13 14:25.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-1 @ SURFACE (H301930-01)

BTEX 8021B	mg/	′kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2013	ND	2.11	105	2.00	0.780	
Toluene*	<0.050	0.050	08/19/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/19/2013	ND	6.58	110	6.00	1.89	
Total BTEX	<0.300	0.300	08/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/16/2013	ND	171	85.5	200	0.974	
DRO >C10-C28	259	10.0	08/16/2013	ND	179	89.5	200	1.31	
EXT DRO >C28-C35	105	10.0	08/16/2013	ND					
Surrogate: 1-Chlorooctane	76.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	98.6	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-1 @ 3' (H301930-02)

BTEX 8021B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2013	ND	2.11	105	2.00	0.780	
Toluene*	<0.050	0.050	08/19/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/19/2013	ND	6.58	110	6.00	1.89	
Total BTEX	<0.300	0.300	08/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/16/2013	ND	171	85.5	200	0.974	
DRO >C10-C28	<10.0	10.0	08/16/2013	ND	179	89.5	200	1.31	
EXT DRO >C28-C35	11.2	10.0	08/16/2013	ND					
Surrogate: 1-Chlorooctane	81.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.3	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-1 @ 12' (H301930-03)

BTEX 8021B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2013	ND	2.11	105	2.00	0.780	
Toluene*	<0.050	0.050	08/19/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/19/2013	ND	6.58	110	6.00	1.89	
Total BTEX	<0.300	0.300	08/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/16/2013	ND	171	85.5	200	0.974	
DRO >C10-C28	<10.0	10.0	08/16/2013	ND	179	89.5	200	1.31	
EXT DRO >C28-C35	<10.0	10.0	08/16/2013	ND					
Surrogate: 1-Chlorooctane	85.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.3	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-3 @ 6' (H301930-04)

BTEX 8021B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2013	ND	2.11	105	2.00	0.780	
Toluene*	<0.050	0.050	08/19/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/19/2013	ND	6.58	110	6.00	1.89	
Total BTEX	<0.300	0.300	08/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/16/2013	ND	171	85.5	200	0.974	
DRO >C10-C28	<10.0	10.0	08/16/2013	ND	179	89.5	200	1.31	
EXT DRO >C28-C35	<10.0	10.0	08/16/2013	ND					
Surrogate: 1-Chlorooctane	80.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.2	% 63.6-15	4						

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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-3 @ 12' (H301930-05)

BTEX 8021B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2013	ND	2.11	105	2.00	0.780	
Toluene*	0.076	0.050	08/19/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/19/2013	ND	6.58	110	6.00	1.89	
Total BTEX	<0.300	0.300	08/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/16/2013	ND	171	85.5	200	0.974	
DRO >C10-C28	<10.0	10.0	08/16/2013	ND	179	89.5	200	1.31	
EXT DRO >C28-C35	<10.0	10.0	08/16/2013	ND					
Surrogate: 1-Chlorooctane	76.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	88.3	% 63.6-15	4						

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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-4 @ 3' (H301930-06)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2013	ND	2.11	105	2.00	0.780	
Toluene*	<0.050	0.050	08/20/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	<0.050	0.050	08/20/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/20/2013	ND	6.58	110	6.00	1.89	
Total BTEX	<0.300	0.300	08/20/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 89.4-12	6						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/16/2013	ND	171	85.5	200	0.974	
DRO >C10-C28	<10.0	10.0	08/16/2013	ND	179	89.5	200	1.31	
EXT DRO >C28-C35	<10.0	10.0	08/16/2013	ND					
Surrogate: 1-Chlorooctane	82.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.2	% 63.6-15	4						

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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-4 @ 9' (H301930-07)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2013	ND	2.11	105	2.00	0.780	
Toluene*	<0.050	0.050	08/19/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	<0.050	0.050	08/19/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/19/2013	ND	6.58	110	6.00	1.89	
Total BTEX	<0.300	0.300	08/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 89.4-12	6						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/16/2013	ND	172	86.2	200	3.38	
DRO >C10-C28	<10.0	10.0	08/16/2013	ND	185	92.6	200	2.28	
EXT DRO >C28-C35	<10.0	10.0	08/16/2013	ND					
Surrogate: 1-Chlorooctane	83.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.5	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-5 @ SURFACE (H301930-08)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2013	ND	2.11	105	2.00	0.780	
Toluene*	0.143	0.050	08/19/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	0.239	0.050	08/19/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	1.20	0.150	08/19/2013	ND	6.58	110	6.00	1.89	
Total BTEX	1.58	0.300	08/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 89.4-12	6						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: DW					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	08/16/2013	ND	172	86.2	200	3.38	
DRO >C10-C28	1990	100	08/16/2013	ND	185	92.6	200	2.28	
EXT DRO >C28-C35	908	100	08/16/2013	ND					
Surrogate: 1-Chlorooctane	85.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	193	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-5 @ 6' (H301930-09)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	08/19/2013	ND	2.11	105	2.00	0.780	
Toluene*	3.21	1.00	08/19/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	9.37	1.00	08/19/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	34.5	3.00	08/19/2013	ND	6.58	110	6.00	1.89	
Total BTEX	47.1	6.00	08/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	843	50.0	08/16/2013	ND	172	86.2	200	3.38	
DRO >C10-C28	2830	50.0	08/16/2013	ND	185	92.6	200	2.28	
EXT DRO >C28-C35	420	50.0	08/16/2013	ND					
Surrogate: 1-Chlorooctane	118	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	138	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/20/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-5 @ 13' (H301930-10)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	08/19/2013	ND	2.11	105	2.00	0.780	
Toluene*	12.3	2.00	08/19/2013	ND	2.06	103	2.00	0.502	
Ethylbenzene*	12.8	2.00	08/19/2013	ND	2.21	111	2.00	1.68	
Total Xylenes*	83.9	6.00	08/19/2013	ND	6.58	110	6.00	1.89	
Total BTEX	109	12.0	08/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/15/2013	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1640	50.0	08/16/2013	ND	172	86.2	200	3.38	
DRO >C10-C28	2850	50.0	08/16/2013	ND	185	92.6	200	2.28	
EXT DRO >C28-C35	318	50.0	08/16/2013	ND					
Surrogate: 1-Chlorooctane	137	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	123 % 63.6-1		4						

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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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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. Keine

Celey D. Keene, Lab Director/Quality Manager

Submittal of samples constitutes agreement to 1 erms and Conditions		Relinquished by; Company: Date: Time: R	Lui 1 Lin 6/18/13 2:25	(ed by: // Company: Date: Time:	A 22:0 EUEL/8 /2010	Relinquished by: Company: Date: Time: R) П-5 @ 13'	TT-5 @ 6'	urface	TT-4 @ 9'		2'		2	TT-1 @ 3'	TT-1 @ Surface	(LAB ID LAB USE ONLY		Project Location: (include state)	Project#	Invoice to: Regency Field Services	Contact Person: Joel Lowry		Address: P.O. Box 301 Lovington, NM 88260	Company Name: Basin Environmental Service Technologies, LLC	Cardinal Laboratories	LAB Order 10 # H301930
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2		The nut of the		Company: Date:	En 6/13/13	Company: Date:											AIR SLUDGE HCL HNO ₃ H ₂ SO ₄	MATRIX PRES	C an	Project Name:						101 East Marland Hobbs, NM 88240 Tel (575) 393-2326 Fax (575) 393-2476	
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August 27, 2013

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: TRUNK 'C' DRIP TANK #16

Enclosed are the results of analyses for samples received by the laboratory on 08/22/13 13:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/22/2013	Sampling Date:	08/22/2013
Reported:	08/27/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

Sample ID: TT-5 @ 17' (H302016-01)

BTEX 8021B	mg/	'kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/27/2013	ND	2.20	110	2.00	6.60	
Toluene*	2.23	0.200	08/27/2013	ND	2.14	107	2.00	6.10	
Ethylbenzene*	4.93 0.200		08/27/2013	ND	2.18	109	2.00	6.27	
Total Xylenes*	24.8	0.600	08/27/2013	ND	6.47	108	6.00	6.45	
Total BTEX	32.0	1.20	08/27/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	157 9	89.4-12	6						
TPH 8015M	mg/kg		Analyze	d By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	391	10.0	08/26/2013	ND	191	95.7	200	3.91	
DRO >C10-C28	795	10.0	08/26/2013	ND	186	93.0	200	5.56	
EXT DRO >C28-C35	64.7	10.0	08/26/2013	ND					
Surrogate: 1-Chlorooctane	112 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	111 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2013	Sampling Date:	08/22/2013
Reported:	08/27/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

Sample ID: TT-5 @ 20' (H302016-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.429	0.200	08/23/2013	ND	2.10	105	2.00	3.04	
Toluene*	6.71	0.200	08/23/2013	ND	2.14	107	2.00	1.21	
Ethylbenzene*	9.80	0.200	08/23/2013	ND	2.22	111	2.00	1.37	
Total Xylenes*	47.6	0.600	08/23/2013	ND	6.70	112	6.00	1.13	
Total BTEX	64.5	1.20	08/23/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	187 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	681	10.0	08/23/2013	ND	190	94.8	200	4.64	
DRO >C10-C28	1000	10.0	08/23/2013	ND	194	97.1	200	5.21	
EXT DRO >C28-C35	95.1	10.0	08/23/2013	ND					
Surrogate: 1-Chlorooctane	106 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.9	63.6-15							

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Project Manager: 5087	loway			P.O. #:	-	_			
Address: 3100	5			Company: Regary	Field				
city: [bin ton		State: NW	Zip: 88260	Attn:					
Phone #: 437-4 6-4450		Fax #:		Address:		13			
Project #:		roject Owne	Project Owner: Resoury Field	City:		4			
ame:	Truck "C" Pri	Drip Tank	1416	State: Zip:		2/2			
				Phone #:		8			
Complet Name	TOFI lowey			Fax #:		d			
Sampler Name:			MATRIX	PRESERV. SAMPLING				6	
FOR LAB USE ONLY			R						
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PLEASE NOTE: Liability analyses. All claims includi	nd Damages. Cardinal's liability and cliening those for negligence and any other ca	t's exclusive remedy four shall the second sec	or any claim arising whether based in con be deemed waived unless made in writing the without limitation business interruptic	PLEASE NOTE: Lability and Damages Cardinal's lability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount gold by the client for the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed yindyed unless rated in writing and received by Cardinal writin 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever installed be deemed yindyed unless rated in writing and received by Cardinal writin 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever installed be deemed yindyed unless rates installed in writing and received by Cardinal writin 30 days after completion of the applicable deemed yindyed unless rates installed in writing and received by Cardinal writin 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever installed unless the installed in writing and received by Cardinal writin 30 days after completion of the applicable deemed yindyed unless rates installed in writing and received by Cardinal writin 30 days after completion of the applicable deemed yindyed unless rates installed in writing and received by Cardinal writin 30 days after completion of the applicable deemed yindyed unless rates installed in writing and received by Cardinal writin 30 days after completion of the applicable deemed yindyed unless rates installed in writing and received by Cardinal writin 30 days after completion of the applicable deemed yindyed unless rates installed in writing and received by Cardinal writin 30 days after completion of the applicable deemed yindyed unless rates installed in writing and received by Cardinal writin 30 days after completion of the applicable deemed yindyed unless rates installed in writing and received by Cardinal writing and received after applicable deemed writing and ra	aid by the client for the ter completion of the app client, its subsidiaries,	plicable			
affiliates or successors aris	envice. In no event shall Cardinal peliade or incucenation or convey affliates or successors arising out of or related to the performance of a fliates or successors arising out of or related to the performance of	f services hereunder b	v Cardinal, regardless of whether superior	ereunder by Cardinal, regardless of whether supriclaim is based upon any of the above stated in Received BY:	Phone Result:	Yes No	Add'I Phone #:		
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Sampler - UPS	Sampler - UPS - Bus - Other:		6.8 AND NO NO	No Coch	Sample	des just to	John + leve	whith lab.	Ch
		2	then changes	to (575) 393-2326		•			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 $\cancel{4}$

Page 5 of 5



August 30, 2013

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: TRUNK 'O' DRIP TANK #16

Enclosed are the results of analyses for samples received by the laboratory on 08/29/13 8:50.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/29/2013	Sampling Date:	08/28/2013
Reported:	08/30/2013	Sampling Type:	Soil
Project Name:	TRUNK 'O' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: BGT WEST WALL (H302077-01)

BTEX 8260B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.050	0.050	08/29/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	08/29/2013	ND	6.12	102	6.00	9.59	
Total BTEX	<0.300	0.300	08/29/2013	ND					
Surrogate: Dibromofluoromethane	103	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107	% 65.7-14	1						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/30/2013	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2013	ND	179	89.5	200	2.67	
DRO >C10-C28	<10.0	10.0	08/29/2013	ND	193	96.4	200	3.95	
EXT DRO >C28-C35	10.8	10.0	08/29/2013	ND					
Surrogate: 1-Chlorooctane	110	65.2-14	0						
Surrogate: 1-Chlorooctadecane	115	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/29/2013	Sampling Date:	08/28/2013
Reported:	08/30/2013	Sampling Type:	Soil
Project Name:	TRUNK 'O' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: BGT NORTH WALL (H302077-02)

BTEX 8260B	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.050	0.050	08/29/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	08/29/2013	ND	6.12	102	6.00	9.59	
Total BTEX	<0.300	0.300	08/29/2013	ND					
Surrogate: Dibromofluoromethane	105	% 61.3-14	2						
Surrogate: Toluene-d8	100 5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	65.7-14	1						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/30/2013	ND	400	100	400	7.69	
TPH 8015M	mg	′kg	Analyze	d By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2013	ND	179	89.5	200	2.67	
DRO >C10-C28	<10.0	10.0	08/29/2013	ND	193	96.4	200	3.95	
EXT DRO >C28-C35	<10.0	10.0	08/29/2013	ND					
Surrogate: 1-Chlorooctane	110 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/29/2013	Sampling Date:	08/28/2013
Reported:	08/30/2013	Sampling Type:	Soil
Project Name:	TRUNK 'O' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: BGT EAST WALL (H302077-03)

BTEX 8260B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.050	0.050	08/29/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	08/29/2013	ND	6.12	102	6.00	9.59	
Total BTEX	<0.300	0.300	08/29/2013	ND					
Surrogate: Dibromofluoromethane	107	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107 9	65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2013	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2013	ND	179	89.5	200	2.67	
DRO >C10-C28	28.0	10.0	08/29/2013	ND	193	96.4	200	3.95	
EXT DRO >C28-C35	27.1	10.0	08/29/2013	ND					
Surrogate: 1-Chlorooctane	120	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	129	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/29/2013	Sampling Date:	08/28/2013
Reported:	08/30/2013	Sampling Type:	Soil
Project Name:	TRUNK 'O' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: BGT SOUTH WALL (H302077-04)

BTEX 8260B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.050	0.050	08/29/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	08/29/2013	ND	6.12	102	6.00	9.59	
Total BTEX	<0.300	0.300	08/29/2013	ND					
Surrogate: Dibromofluoromethane	105	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/30/2013	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2013	ND	179	89.5	200	2.67	
DRO >C10-C28	<10.0	10.0	08/29/2013	ND	193	96.4	200	3.95	
EXT DRO >C28-C35	<10.0	10.0	08/29/2013	ND					
Surrogate: 1-Chlorooctane	110	65.2-14	0						
Surrogate: 1-Chlorooctadecane	115	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/29/2013	Sampling Date:	08/28/2013
Reported:	08/30/2013	Sampling Type:	Soil
Project Name:	TRUNK 'O' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: BGT FLOOR (H302077-05)

BTEX 8260B	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.050	0.050	08/29/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	08/29/2013	ND	6.12	102	6.00	9.59	
Total BTEX	<0.300	0.300	08/29/2013	ND					
Surrogate: Dibromofluoromethane	101	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	108	65.7-14	1						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	08/30/2013	ND	400	100	400	7.69	
TPH 8015M	mg,	′kg	Analyze	d By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/29/2013	ND	179	89.5	200	2.67	
DRO >C10-C28	<10.0	10.0	08/29/2013	ND	193	96.4	200	3.95	
EXT DRO >C28-C35	<10.0	10.0	08/29/2013	ND					
Surrogate: 1-Chlorooctane	97.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.6	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/29/2013	Sampling Date:	08/28/2013
Reported:	08/30/2013	Sampling Type:	Soil
Project Name:	TRUNK 'O' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-6 @ 15' (H302077-06)

BTEX 8260B	mg,	′kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/29/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.500	0.500	08/29/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	2.52	0.500	08/29/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	5.89	1.50	08/29/2013	ND	6.12	102	6.00	9.59	
Total BTEX	8.41	3.00	08/29/2013	ND					
Surrogate: Dibromofluoromethane	103	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	142	65.7-14	1						
Chloride, SM4500Cl-B	mg	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2013	ND	400	100	400	7.69	
TPH 8015M	mg	′kg	Analyze	d By: AR/					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	644	50.0	08/29/2013	ND	179	89.5	200	2.67	
DRO >C10-C28	4240	50.0	08/29/2013	ND	193	96.4	200	3.95	
EXT DRO >C28-C35	219	50.0	08/29/2013	ND					
Surrogate: 1-Chlorooctane	162	65.2-14	0						
Surrogate: 1-Chlorooctadecane	143	63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/29/2013	Sampling Date:	08/28/2013
Reported:	08/30/2013	Sampling Type:	Soil
Project Name:	TRUNK 'O' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-6 @ 20' (H302077-07)

BTEX 8260B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.400	0.400	08/29/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.400	0.400	08/29/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	1.48	0.400	08/29/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	4.14	1.20	08/29/2013	ND	6.12	102	6.00	9.59	
Total BTEX	5.62	2.40	08/29/2013	ND					
Surrogate: Dibromofluoromethane	107	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	137	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2013	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: AR/					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	384	50.0	08/29/2013	ND	179	89.5	200	2.67	
DRO >C10-C28	3820	50.0	08/29/2013	ND	193	96.4	200	3.95	
EXT DRO >C28-C35	310	50.0	08/29/2013	ND					
Surrogate: 1-Chlorooctane	144	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	140 9	63.6-15	4						

Cardinal Laboratories

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/29/2013	Sampling Date:	08/28/2013
Reported:	08/30/2013	Sampling Type:	Soil
Project Name:	TRUNK 'O' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT-6 @ 25' (H302077-08)

BTEX 8260B	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.800	0.800	08/30/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.800	0.800	08/30/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	3.79	0.800	08/30/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	9.98	2.40	08/30/2013	ND	6.12	102	6.00	9.59	
Total BTEX	13.8	4.80	08/30/2013	ND					
Surrogate: Dibromofluoromethane	105 9	% 61.3-14	2						
Surrogate: Toluene-d8	101 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	135 9	65.7-14	1						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2013	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: AR/					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	759	50.0	08/29/2013	ND	179	89.5	200	2.67	
DRO >C10-C28	5380	50.0	08/29/2013	ND	193	96.4	200	3.95	
EXT DRO >C28-C35	454	50.0	08/29/2013	ND					
Surrogate: 1-Chlorooctane	171 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	159 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/29/2013	Sampling Date:	08/28/2013
Reported:	08/30/2013	Sampling Type:	Soil
Project Name:	TRUNK 'O' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: TT 6 @ 30' (H302077-09)

BTEX 8260B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.400	0.400	08/30/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.400	0.400	08/30/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	1.46	0.400	08/30/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	4.16	1.20	08/30/2013	ND	6.12	102	6.00	9.59	
Total BTEX	5.62	2.40	08/30/2013	ND					
Surrogate: Dibromofluoromethane	105	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	140	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2013	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: AR/					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	438	50.0	08/29/2013	ND	179	89.5	200	2.67	
DRO >C10-C28	4720	50.0	08/29/2013	ND	193	96.4	200	3.95	
EXT DRO >C28-C35	377	50.0	08/29/2013	ND					
Surrogate: 1-Chlorooctane	154	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	149	63.6-15	4						

Cardinal Laboratories

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Celey D. Keine

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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

	Submittal of samples	Relinquished	Rélinggished by:	Joel for	Relinguished by:				7	69	7	6	ડ્રા.	4	3	2		LAB ID LAB USE ONLY		Project Location: (include state)	Project #:	Invoice to:	Contact Person:	Address:	Company Name:		LAB Order ID #
	Submittal of samples constitutes agreement to Terms and Conditions	Company: Date:	Company: Date:		Company: Date:				TT-6 @ 30'	TT-6 @ 25'	TT-6 @ 20'	TT-6 @ 15'	BGT Floor	BGT South Wall	BGT East Wall	BGT North Wall	BGT West Wall	SAMPLE ID		Lea C		Regency Field Services		P.O. B Lovington,	Basin Environmental Service Technologies, LLC	Cardinal Laboratories	# H302077
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Page 12 of 12



September 09, 2013

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: TRUNK 'C' DRIP TANK #16

Enclosed are the results of analyses for samples received by the laboratory on 09/06/13 16:15.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	09/06/2013	Sampling Date:	09/05/2013
Reported:	09/09/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: 9/5 STOCKPILE (H302167-01)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/09/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	292	10.0	09/09/2013	ND	208	104	200	0.475	
DRO >C10-C28	5380	10.0	09/09/2013	ND	192	96.1	200	3.54	
EXT DRO >C28-C35	702	10.0	09/09/2013	ND					
Surrogate: 1-Chlorooctane	110 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	151 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- ND
 Analyte NOT DETECTED at or above the reporting limit

 RPD
 Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Submittal of sample		Relinquished by:	Retinquished by:		· · ·	Relinguished by:									LAB ID LAB USE ONLY		Project Location: (include state)	Project #:	Invoice to:	Contact Person:	Address:	Company Name:	C	LAB Order ID #
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Submittal of samples constitutes agreement to Terms and Conditions		Ďatě∕ Time:	e Lata		2	Date: Time:									SAMPLE ID		Lea Co., NM		vices	Joel Lowry	P.O. Box 301 Lovington, NM 88260	Basin Environmental Service Technologies, LLC	Cardinal Laboratories	H302167
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September 11, 2013

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: TRUNK 'C' DRIP TANK #16

Enclosed are the results of analyses for samples received by the laboratory on 09/10/13 8:45.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	09/10/2013	Sampling Date:	09/09/2013
Reported:	09/11/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: 9/9 STOCKPILE #2 (H302172-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2013	ND	1.85	92.6	2.00	6.48	
Toluene*	<0.050	0.050	09/10/2013	ND	1.87	93.3	2.00	7.38	
Ethylbenzene*	0.198	0.050	09/10/2013	ND	1.93	96.4	2.00	7.53	
Total Xylenes*	0.363	0.150	09/10/2013	ND	5.78	96.3	6.00	8.29	
Total BTEX	0.561	0.300	09/10/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 89.4-12	6						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/10/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	35.7	10.0	09/10/2013	ND	208	104	200	0.650	
DRO >C10-C28	875	10.0	09/10/2013	ND	200	99.9	200	0.352	
EXT DRO >C28-C35	290	10.0	09/10/2013	ND					
Surrogate: 1-Chlorooctane	88.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	116	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	76				
Company Name: Reserve bas Scruices	105	BILL TO	The start of the s		ANALYSIS REQUEST
JOEL LOWRY		P.O. #: Regency	bas		
o Plain		C	bas		
ę	Zip: 88260	Attn:			
		Address:			
Project #: Project Owner:		City:			
Project Name: Trunk "(" Drip Tank	0)#	State: Zip:	6	4	
on: **		Phone #:	45		
Sampler Name: SOET LOWICY		Fax #:	2		
		PRESERV. SAMPLING			
Lab I.D. Sample I.D.	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TIME TPH	C1 ⁻	
1 9/9 Stockpile #2	X	1 9/9/13	9:30 X	XX	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for inegligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for inegligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use of tools incurred by classes or busised service.	for any claim arising whether based in contra- II be deemed waived unless made in writing ar uding without limitation, business interruptions	ct or tort, shall be limited to the amount paid nd received by Cardinal within 30 days after by loss of use, or loss of profits incurred by cl	by the client for the completion of the appli ient, its subsidiaries,	cable	
arilianes or successore arising out of or related to the performance of services hereunder Relinquished By:	Date: hereunder by Cardinal, regardinged Wittenberg und ram is used und an or une average and the second se	In is pased upon any or the active stated to	Phone Result: Fax Result:	□Yes □No □Yes □No	D Add'l Phone #: D Add'l Fax #:
2	Received By:	lendon	REMARKS:		
Delivered By: (Circle One)	Sample Condition	ition CHECKED BY:			
Sampler - UPS - Bus - Other:		es (miniatis)			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



October 01, 2013

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: TRUNK 'C' DRIP TANK #16

Enclosed are the results of analyses for samples received by the laboratory on 09/30/13 8:30.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	09/30/2013	Sampling Date:	09/27/2013
Reported:	10/01/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: BGT TT @ 21' (H302362-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	09/30/2013	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- ND
 Analyte NOT DETECTED at or above the reporting limit

 RPD
 Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Submittal of sample		Keiinquisnea by:	M M M	A Diller		Duldor	Relinquished by:						1	LAB ID LAB USE ONLY	Project Location: (include state)	Project #:	Invoice to:	Contact Person:	Address:	Company Name:	C	LAB Order ID #
Submittal of samples constitutes agreement to Terms and Conditions		Contipany.	anv: Data	1-30-13	(Company:	4[soli3 8:00	Company: Date: Time:						BGT TT @ 21'		Lea Co., NM		Regency Field Services	Joel Lowry	P.O. Box 301 Lovington, NM 88260	Basin Environmental Service Technologies, LLC	Cardinal Laboratories	1302362
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				21/25/16 M	Date: Jim	913913 8:00	Date: Time:							HCL HNO ₃ H ₂ SO ₄ ME NaOH 귀 ICE D	Ceel for-	Trunk "C"		pm@basinenv.com.phillip.little@suq.com. cyndi.inskeep@regencygas.com. rachel.johnson@regencygas.com	(575)396-1429	(575)3	101 East Marland Hobbs, NM 88240 Tel (575) 393-2326 Fax (575) 393-2476	
		1. a			PC INST#94								9/27/13	DATE X		Trunk "C" Drip Tank #16		<u>a.little@sug.com,</u> as.com, gas.com	6-1429	(575)396-2378		
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		Check If Special Reporting Limits Are Needed	IRRP Report Required		Dry Weight Basis Required		NKS:									· · · · · · · · · · · · · · · · · · ·			······································	ANALYSIS REQUEST or Specify Method		
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Page 4 of 4



October 02, 2013

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: TRUNK 'C' DRIP TANK #16

Enclosed are the results of analyses for samples received by the laboratory on 10/01/13 15:40.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/01/2013	Sampling Date:	10/01/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: WSW #1 (H302383-01)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.100	0.100	10/02/2013	ND	1.99	99.3	2.00	0.254	
Toluene*	<0.100	0.100	10/02/2013	ND	2.02	101	2.00	0.364	
Ethylbenzene*	<0.100	0.100	10/02/2013	ND	2.04	102	2.00	0.293	
Total Xylenes*	<0.300	0.300	10/02/2013	ND	6.27	105	6.00	0.651	
Total BTEX	<0.600	0.600	10/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/02/2013	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	10/02/2013	ND	201	101	200	0.897	
DRO >C10-C28	1170	50.0	10/02/2013	ND	199	99.7	200	0.688	
EXT DRO >C28-C35	514	50.0	10/02/2013	ND					
Surrogate: 1-Chlorooctane	76.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	151 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/01/2013	Sampling Date:	10/01/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: WSW #2 (H302383-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2013	ND	1.99	99.3	2.00	0.254	
Toluene*	<0.050	0.050	10/02/2013	ND	2.02	101	2.00	0.364	
Ethylbenzene*	<0.050	0.050	10/02/2013	ND	2.04	102	2.00	0.293	
Total Xylenes*	<0.150	0.150	10/02/2013	ND	6.27	105	6.00	0.651	
Total BTEX	<0.300	0.300	10/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/02/2013	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/02/2013	ND	201	101	200	0.897	
DRO >C10-C28	<10.0	10.0	10/02/2013	ND	199	99.7	200	0.688	
EXT DRO >C28-C35	<10.0	10.0	10/02/2013	ND					
Surrogate: 1-Chlorooctane	88.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.3	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/01/2013	Sampling Date:	10/01/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: 10/1 STOCKPILE (H302383-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/02/2013	ND	1.97	98.6	2.00	1.41	
Toluene*	0.297	0.200	10/02/2013	ND	2.03	102	2.00	2.05	
Ethylbenzene*	0.969	0.200	10/02/2013	ND	2.13	106	2.00	1.11	
Total Xylenes*	3.94	0.600	10/02/2013	ND	6.56	109	6.00	1.13	
Total BTEX	5.21	1.20	10/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	158	% 89.4-12	6						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/02/2013	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	10/02/2013	ND	201	101	200	0.897	
DRO >C10-C28	1340	50.0	10/02/2013	ND	199	99.7	200	0.688	
EXT DRO >C28-C35	291	50.0	10/02/2013	ND					
Surrogate: 1-Chlorooctane	86.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	125	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relinquished	<u> </u>	PLEASE NOTE: Liability and Damages analyses. All claims including those for service. In no event shall Cardinal be lia affiliates or successors arising out of or			NN		Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Name: Project Location:			city: Louinston	Address: 3100	Project Manager: Soc-L	Company Name:	(
Vered By: (Circle One) Sample Condition CHECKE Ier - UPS - Bus - Other: $U_r 20$ Cool Intact (Mu) Image: Cool Intact (Mu) Intact (Mu) Image: Cool Intact (Mu) Intact (Mu)	Same		. Cardina's liability and cliv negligence and any other r able for incidental or conse related to the performance		דיוק שמקב וומו	10	W5W #1	Sample I.D.		SOFC COMPY	" " "			5	Plains Huy	\sim	basin Environmente	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	((- {		
ļ,e	Date:	SI1/QL	rante exclusive remeay for any daim arising whether based rause whatsoever shall be deemed walved unless made in quental damages, including without limitation, business ink of services hereunder by Cardinal, regardless of whether s								No. 10 Love	dwner:	Fax #:	State: NM Zip:			montel	obbs, NM 8824((575) 393-2476) ((ratories	
Sample Condition Cool Intact	Received By:	Received By:	It exclusive remedy for any claim arising whether based in contract or but, shall be limited to the amount pad by the client for the use whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the ajt reintal damages, including without limitation, business interruptions, loss of ruse, or loss of profits incurred by client, its subsidiaries, services hereiunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.				» 	# CONTAINERS GROUNDWATER WASTEWATER SOIL	P. MATRIX			. 4//.	-	1p: 88240					 	л Л	
Sondition CHEC	A New N	M. MARI	in contract or tort, shall be limited to writing and received by Cardinal w rruptions, loss of use, or loss of pro ruptionin is based upon any of the			×7		OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	IX PRESERV.	Fax	Phone #:	city:	Address:	Attn:	Company: Degenic	P.O. #: 1/2 e				· .	
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																			CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	•	
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October 04, 2013

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: TRUNK 'C' DRIP TANK #16

Enclosed are the results of analyses for samples received by the laboratory on 10/03/13 12:22.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/03/2013	Sampling Date:	10/03/2013
Reported:	10/04/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SSW #2B (H302397-01)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2013	ND	1.92	95.8	2.00	3.59	
Toluene*	<0.050	0.050	10/04/2013	ND	1.74	87.0	2.00	3.55	
Ethylbenzene*	<0.050	0.050	10/04/2013	ND	1.74	87.1	2.00	3.95	
Total Xylenes*	<0.150	0.150	10/04/2013	ND	5.16	86.0	6.00	3.62	
Total BTEX	<0.300	0.300	10/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/03/2013	ND	416	104	400	3.92	
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	10/03/2013	ND	200	100	200	3.46	
DRO >C10-C28	<10.0	10.0	10/03/2013	ND	189	94.4	200	4.30	
EXT DRO >C28-C35	<10.0	10.0	10/03/2013	ND					
Surrogate: 1-Chlorooctane	106 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	,						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/03/2013	Sampling Date:	10/03/2013
Reported:	10/04/2013	Sampling Type:	Soil
Project Name:	TRUNK 'C' DRIP TANK #16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: NW CORNER (H302397-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.525	0.500	10/04/2013	ND	1.92	95.8	2.00	3.59	
Toluene*	0.734	0.500	10/04/2013	ND	1.74	87.0	2.00	3.55	
Ethylbenzene*	8.94	0.500	10/04/2013	ND	1.74	87.1	2.00	3.95	
Total Xylenes*	9.36	1.50	10/04/2013	ND	5.16	86.0	6.00	3.62	
Total BTEX	19.6	3.00	10/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/03/2013	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	679	200	10/03/2013	ND	200	100	200	3.46	
DRO >C10-C28	13500	200	10/03/2013	ND	189	94.4	200	4.30	
EXT DRO >C28-C35	2930	200	10/03/2013	ND					
Surrogate: 1-Chlorooctane	152	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	423	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Cardinal cannot accept verbal changes. Please fax written changes to 575) 399-2326	- Bus - Other:			PLEASE NOTE: Liability and Carnages. Cardina's liability and clients exclusive remove your any our restrict or restore and the control within 30 days enter control or any					-NW COM	55w #26	Sample I.D.		2086 Lowan		Tranke "c" D.T.			P.	o pinins	2	Basis Environmente	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		abora	ARD
nanges. Please		Time:	CC: Call	's exclusive remeay for an use whatsoever shall be d ental damages, including ' services hereunder by Ca Date	n available of the other of the other oth								2		46	Project Owner:	Fax #:	State: NW			imontal	bbs, NM 882 575) 393-2476		torie	D Z Z Z
fax written char	Sample Cool Ir 20 □Yes 1 No	Q	HOUL	shall be deemed waived unless made including without limitation, business in der by Cardinal, regardless of whethe type Received BV:							(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL	MA						Zip: 68200				8 8 8		S S	F
BE (416) THE	Sample Condition C Cool Intact Ves Yes Yes		Sten	es in contract or tort, shall be immed to the amount paid by the ellent to the in writing and received by Cardinal writin 30 days after completion of the ap- interruptions, lose of use, or lose of profils incurred by client, its subsidiaries, er such claim is based upon any of the above stated reasons or otherwise, er such claim is based upon any of the above stated reasons or otherwise.	d ji control to a first a firs	· · · · · · · · · · · · · · · · · · ·	· · · · · ·				SLUDGE OTHER :	MATRIX PRESERV.	Fax #:	Phone #:	State:	City:	Address:	Attn:	Company:	P.O. #:	 A many side many Side many side many side				
-2326	(Initialis)	-	Son	ardinal within 30 days after ardinal within 30 days after loss of profits incurred by cl any of the above stated rea					-	X 1013/13		ERV SAMPLING	-		Zip:				W: Degoncy						
		directu	Fax Result: 1 Ye REMARKS: GAMDLeS	l by the client for the completion of the applica ient, its subsidiaries, sons or otherwise. Phone Result:				· · · ·	11:30 X	11:30 -	time BTEX	G									a provide a state of the sta	- - -	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST		
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Page 5 of 5

# Analytical Report 472834

for Regency Gas

Project Manager: Joel Lowry Trunk "C" Drip Tank #16 Historical

### 29-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)

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29-OCT-13

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

Reference: XENCO Report No(s): **472834 Trunk ''C'' Drip Tank #16 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) 472834. 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. 472834 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.

Kms Joah

 Kelsey Brooks

 Project Manager

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Sample Id 10/23 Stockpile #1

# Sample Cross Reference 472834



## Regency Gas, Monahans, TX

Trunk "C" Drip Tank #16 Historical

Matrix	Date Collected	Sample Depth	Lab Sample Id
S	10-23-13 15:30		472834-001



## CASE NARRATIVE



Client Name: Regency Gas Project Name: Trunk "C" Drip Tank #16 Historical

Project ID: Work Order Number(s): 472834 Report Date: 29-OCT-13 Date Received: 10/24/2013

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



## Project Id:

Contact: Joel Lowry Project Location: Lea County, NM Regency Gas, Monahans, TX

Project Name: Trunk "C" Drip Tank #16 Historical



Date Received in Lab: Thu Oct-24-13 08:33 am

Report Date: 29-OCT-13

Project Manager: Kelsey Brooks

	Lab Id:	472834-001			
An aluaia Domandod	Field Id:	10/23 Stockpile #1			
Analysis Requested	Depth:				
	Matrix:	SOIL			
	Sampled:	Oct-23-13 15:30			
BTEX by EPA 8021B	Extracted:	Oct-29-13 13:00			
	Analyzed:	Oct-29-13 16:03			
	Units/RL:	mg/kg RL			
Benzene		ND 0.00612			
Toluene		ND 0.0122			
Ethylbenzene		ND 0.00612			
m,p-Xylenes		ND 0.0122			
o-Xylene		ND 0.00612			
Total Xylenes		ND 0.00612			
Total BTEX		ND 0.00612			
Inorganic Anions by EPA 300/300.1	Extracted:	Oct-28-13 10:00			
	Analyzed:	Oct-28-13 13:31			
	Units/RL:	mg/kg RL			
Chloride		22.4 12.2			
Percent Moisture	Extracted:				
	Analyzed:	Oct-25-13 16:00			
	Units/RL:	% RL			
Percent Moisture		18.3 1.00			
TPH By SW8015 Mod	Extracted:	Oct-25-13 12:00			
	Analyzed:	Oct-25-13 14:25			
	Units/RL:	mg/kg RL			
C6-C12 Gasoline Range Hydrocarbons	·	200 18.4			
C12-C28 Diesel Range Hydrocarbons		1550 18.4			
C28-C35 Oil Range Hydrocarbons		ND 18.4			
Total TPH		1750 18.4			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Huns Boah

Kelsey Brooks Project Manager



# **Flagging Criteria**



- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

LOD Limit of Detection

- ** Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- RL Reporting Limit
- MDL Method Detection Limit
   SDL Sample Detection Limit
- 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

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(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

Phone

Final 1.000



# Form 2 - Surrogate Recoveries Project Name: Trunk "C" Drip Tank #16 Historical

Lab Batch	<b>#:</b> 926156	Sample: 472834-001 / SMP	Batc	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 10/25/13 14:25	SU	JRROGATE R	ECOVERY S	STUDY	
	TPH I	3y SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes			[D]		
1-Chlorooct	ane		124	100	124	70-135	
o-Terphenyl			59.4	50.0	119	70-135	
Lab Batch	#: 926297	Sample: 472834-001 / SMP	Bate	h: 1 Matrix	: Soil	·	
Units:	mg/kg	Date Analyzed: 10/29/13 16:03	SU	JRROGATE R	ECOVERY S	STUDY	
	ВТЕХ	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage
1,4-Difluoro	benzene	Anarytes	0.0264	0.0300	88	80-120	
4-Bromoflue			0.0304	0.0300	101	80-120	
Lab Batch	#: 926156	Sample: 645983-1-BLK / Bl			_	00 120	
Units:	mg/kg	Date Analyzed: 10/25/13 13:57		JRROGATE R		STUDY	
	TPH I	3y SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage
		Analytes		[10]	[D]	/01	
1-Chlorooct	ane		114	100	114	70-135	
o-Terphenyl			53.2	50.0	106	70-135	
Lab Batch	#: 926297	Sample: 646116-1-BLK / BI	LK Bate	h: 1 Matrix	: Solid		
Units:	mg/kg	Date Analyzed: 10/29/13 14:59	SU	<b>RROGATE R</b>	ECOVERY S	STUDY	
	BTEX	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1,4-Difluoro	hanzana	Analytes	0.0272	0.0300	91	80-120	
4-Bromofluo			0.0272	0.0300	91	80-120	
Lab Batch		Sample: 645983-1-BKS / BI				00-120	
Units:	mg/kg	Date Analyzed: 10/25/13 12:59		JRROGATE R		STUDY	
	TPH I	3y SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes	[·*]	[2]	[D]	, , ,	
1-Chlorooct	ane		124	100	124	70-135	
o-Terphenyl			54.0	50.0	108	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



# Form 2 - Surrogate Recoveries Project Name: Trunk "C" Drip Tank #16 Historical

	rders: 47283	4, Sample: 646116-1-BKS/E	KS Batcl	Project ID			
Units:	mg/kg	Date Analyzed: 10/29/13 14:11		RROGATE R	-	STUDY	
	BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1,4-Difluor	obenzene		0.0302	0.0300	101	80-120	
4-Bromoflu	iorobenzene		0.0326	0.0300	109	80-120	
Lab Batch	#: 926156	Sample: 645983-1-BSD / B	SD Batcl	h: 1 Matrix	: Solid	<u>.</u>	
Units:	mg/kg	Date Analyzed: 10/25/13 13:28	SU	RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	tane	Anarytes	124	100	124	70-135	
o-Terpheny			59.9	50.0	124	70-135	
	#: 926297	Sample: 646116-1-BSD / E			-	70-155	
Units:	mg/kg	Date Analyzed: 10/29/13 14:28		RROGATE R		STUDY	
	BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes	[]		[D]	,	
1,4-Difluor	obenzene		0.0308	0.0300	103	80-120	
4-Bromoflu	iorobenzene		0.0329	0.0300	110	80-120	
Lab Batch	#: 926156	Sample: 472555-001 S / M	S Batcl	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 10/25/13 19:38	SU	RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorooc	tane		128	99.6	129	70-135	
o-Terpheny	/1		54.0	49.8	108	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



## **BS / BSD Recoveries**



### Project Name: Trunk "C" Drip Tank #16 Historical

Work Order #: 472834							Proj	ject ID:			
Analyst: ARM	D	ate Prepar	red: 10/29/201	13			Date A	nalyzed: 1	10/29/2013		
Lab Batch ID: 926297 Sample: 646116-1-E	BKS	Batch #: 1 Matrix: Solid									
Units: mg/kg	SPIKE / ]	BLANK S	SPIKE DUP	LICATE	RECOVI	ERY STUI	ΟY				
BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]				
Benzene	< 0.00500	0.500	0.510	102	0.500	0.516	103	1	70-130	35	
Toluene	< 0.0100	0.500	0.521	104	0.500	0.527	105	1	70-130	35	
Ethylbenzene	< 0.00500	0.500	0.551	110	0.500	0.558	112	1	71-129	35	
m,p-Xylenes	< 0.0100	1.00	1.12	112	1.00	1.14	114	2	70-135	35	
o-Xylene	< 0.00500	0.500	0.562	112	0.500	0.571	114	2	71-133	35	
Analyst: AMB	D	ate Prepar	ed: 10/28/201	13			Date A	nalyzed: 1	0/28/2013		
Lab Batch ID: 926182 Sample: 646033-1-E	3KS	Batcl	<b>h #:</b> 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK	SPIKE / ]	BLANK S	SPIKE DUP	LICATE	RECOVI	ERY STUI	ΟY	
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	47.1	94	50.0	47.0	94	0	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: Trunk "C" Drip Tank #16 Historical

Work Order	: #: 472834							Pro	ject ID:			
Analyst:	ARM	D	ate Prepai	red: 10/25/201	3	<b>Date Analyzed:</b> 10/25/2013						
Lab Batch ID	<b>:</b> 926156 <b>Sample:</b> 645983-1-	BKS	Batc	<b>h #:</b> 1					Matrix: S	Solid		
Units:	mg/kg		BLAN	K /BLANK S	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	DY	
	TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analy	vtes		[B]	[C]	[D]	[E]	Result [F]	[G]				
C6-C12 G	asoline Range Hydrocarbons	<15.0	1000	1070	107	1000	1140	114	6	70-135	35	
C12-C28	Diesel Range Hydrocarbons	<15.0	1000	1190	119	1000	1180	118	1	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

XENCO Laboratories Projec	Form 3 - MS t Name: Trunk "C			istorica	al and a second	ON			
Work Order #: 472834         Lab Batch #:       926182         Date Analyzed:       10/28/2013	Date Prepared: 10/2	8/2013	v	ect ID: Analyst: A	MB				
QC- Sample ID: 472849-001 S Reporting Units: mg/kg		Batch #: 1 Matrix: Soil MATRIX / MATRIX SPIKE RECOVERY STUDY							
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag			
Chloride	627	525	1250	119	80-120				
Lab Batch #: 926156			· · ·			. <u>.</u>			
<b>Date Analyzed:</b> 10/25/2013	Date Prepared: 10/2	5/2013	А	nalyst: A	RM				
<b>QC- Sample ID:</b> 472555-001 S	<b>Batch #:</b> 1		Γ	<b>Matrix:</b> S	oil				
Reporting Units: mg/kg	MATI	RIX / MA	TRIX SPIKE	RECO	VERY STU	JDY			
TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag			
C6-C12 Gasoline Range Hydrocarbons	<17.3	1150	1280	111	70-135	1			
C12-C28 Diesel Range Hydrocarbons	<17.3	1150	1340	117	70-135	<u> </u>			

BRL - Below Reporting Limit



Sample Duplicate Recovery



## Project Name: Trunk "C" Drip Tank #16 Historical

Work Order #: 472834

Lab Batch #: 926131			Project I	D:	
Date Analyzed: 10/25/2013 12:50	Date Prepared: 10/25/2013	3 Anal	lyst:WRU		
QC- Sample ID: 472806-001 D	<b>Batch #:</b> 1	Mat	rix: Soil		
Reporting Units: %	SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Percent Moisture	2.46	2.51	2	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

J						Ś	_			YAG & TAT brebnet2	$\times$	1	-								Star	0
		a						72 hrs	'8† 'I	№ (əlubəri⊃S-ərq) ТАТ НЗUЯ				_	+	$\left  \right $	_	+	ZZ	zzz	N N Lone Star	ů
47283		Project Name: Trunk "C" Drip Tank #16 Historical				Ī				Total Dissolved Solids		-	+	+	+			-	~~~	~ ~ ~		~
2		listo								CHLORIDES	×		+								FedEx <	S
5	130 1	H 9				д ₂	2			.м.Я.О.И		-	+									
ン	S REQUEST 432-563-1800 432-563-1713	¥				TRRP	200			BCI										(s)	HO	
	563 -563	Tan					i.	×	097	BTEX 8021B/5030 or BTEX 82	×								s: act?	ainer er(s)	d d	ceipt
	5 <i>RI</i> 432 432	di		5			e Fe			səlitslovimə2									s Inta	sonta soota	vere int R	Re
	AL YSIS REQUEST Phone: 432-563-1800 Fax: 432-563-1713	Ō "		Project Loc: Lea County, NM		Standard TRRP	Analyze For:			s∋litsloV			_						Laboratory Comments: Sample Containers Intact? VOCs Free of Headsnace?	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Sample Hand Delivered by Sampler/Client Rep. ? by Courrier? UPS	Temperature Upon Receipt:
	IAL YS Phone Fax:	P		ount		Standard	A			gH dব าଠ bଠ ßB gA sA :slst∋M	-		-		+			_	onta of	con con seals seals	mple	nre
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	4 Q	ame	Project #:	Loc	FO #:	at:				Cations (Ca, Mg, Na, K)			+	+	-			+	<u> </u>		1	
	OR	ct N	roje	ject		orm			891	TPH: 418.1 8015M 80' 7001 XT 3005 XX 1006	×	-	+	+	+	+		-		Time 7:30	Time 833	N ^a
	REC	roje	μ.	Pro		Report Format:			$\mathbf{T}$	NP= Non-Potable Specify Oth			+	+		+		+	1	1	Time 0833	
	λł	а.				kepo			1÷2	GW = Groundwater S=Soil/Sol												5
	101					ш.	1 III		Σ	DW=Drinking Water SL=Sludg										Date	Date	Date
	รกะ						0.0		lers	Other ( Specify)									-	Date	0 0	00
	CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST t I-20 East sxas 79765 Fax: 432-563-1713								of Containers	anoN			_		_				-	2	1	2
	CHAIN OF 12600 West I-20 East Odessa, Texas 79765						2		f Cor	Na2S2O3			_	_	_			_	-			
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	0	Project Manager:	Company Name	Company Address: P.O. Box 301	City/State/Zip:	Telephone No:	Sampler Signature:												ruct	by:	S à O	PA:
	Ŭ	Pro	Sol	Col	City	Tel	Sa	(fluc	#										Inst	shed	10	shed
	Xenco Laboratories							(lab use only)	<b>ORDER #:</b>										Special Instructions:	Relinquished by:	Relinquishe	Relinquished by:
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Page 13 of 14

Final 1.000



# **XENCO** Laboratories



### Prelogin/Nonconformance Report- Sample Log-In

Client: Regency Gas	Acceptable Temperature Range: 0 - 6 degC
Date/ Time Received: 10/24/2013 08:33:00 AM	Air and Metal samples Acceptable Range: Ambient
Work Order #: 472834	Temperature Measuring device used :
Sample Recei	pt Checklist Comments
#1 *Temperature of cooler(s)?	5.1
#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?	Νο
#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)?	Νο
#20 VOC samples have zero headspace (less than 1/4 inch	bubble)? N/A
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	N/A
#22 >10 for all samples preserved with NaAsO2+NaOH, Zn	Ac+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:
 Candau fames
 Date: 10/25/2013

 Candace James
 Date: 10/25/2013

 Checklist reviewed by:
 Mawy Moath
 Date: 10/25/2013

 Kelsey Brooks
 Date: 10/25/2013

# Analytical Report 472887

for Regency Gas

Project Manager: Joel Lowry Truck "C" Drip Tank #16 Horizontal

## 31-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)



31-OCT-13

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

Reference: XENCO Report No(s): **472887 Truck ''C'' Drip Tank #16 Horizontal** 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) 472887. 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. 472887 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,

Alejandro Montoya Odessa Laboratory Director

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### Sample Id

N. Exc. SSW #1 N. Exc. ESW #1 N. Exc. WSW #1

# Sample Cross Reference 472887



## Regency Gas, Monahans, TX

Truck "C" Drip Tank #16 Horizontal

Matrix	<b>Date Collected</b>	Sample Depth	Lab Sample Id
S	10-25-13 10:00		472887-001
S	10-25-13 10:20		472887-002
S	10-25-13 10:40		472887-003



## CASE NARRATIVE



Client Name: Regency Gas Project Name: Truck "C" Drip Tank #16 Horizontal

Project ID: Work Order Number(s): 472887 Report Date: *31-OCT-13* Date Received: *10/25/2013* 

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



#### **Project Id:**

Contact: Joel Lowry Project Location: Lea County, NM

## Certificate of Analysis Summary 472887

Regency Gas, Monahans, TX

Project Name: Truck "C" Drip Tank #16 Horizontal



Date Received in Lab: Fri Oct-25-13 01:05 pm

Report Date: 31-OCT-13

Project Manager: Kelsey Brooks

	Lab Id:	472887-0	001	472887-0	02	472887-0	003		
	Field Id:	N. Exc. SS	W #1	N. Exc. ESV	N #1	N. Exc. WS	W #1		
Analysis Requested	Depth:								
	Matrix:	SOIL	,	SOIL		SOIL			
	Sampled:	Oct-25-13	10:00	Oct-25-13 1	0:20	Oct-25-13	10:40		
BTEX by EPA 8021B	Extracted:	Oct-29-13	13:00	Oct-29-13 1	3:00	Oct-29-13	13:00		
	Analyzed:	Oct-29-13	17:44	Oct-29-13 1	8:00	Oct-29-13	18:16		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene	1	ND	0.00102		0.00109		0.00100		
Toluene		ND	0.00204	ND	0.00217	ND	0.00201		
Ethylbenzene		ND	0.00102	ND	0.00109	ND	0.00100		
m,p-Xylenes		ND	0.00204	ND	0.00217	ND	0.00201		
o-Xylene	1	ND	0.00102	ND	0.00109	ND	0.00100		
Total Xylenes		ND	0.00102	ND	0.00109	ND	0.00100		
Total BTEX		ND	0.00102	ND	0.00109	ND	0.00100		
Inorganic Anions by EPA 300/300.1	Extracted:	Oct-31-13	10:00	Oct-31-13 1	0:00	Oct-31-13	10:00		
	Analyzed:	Oct-31-13	16:34	Oct-31-13 1	5:49	Oct-31-13	16:57		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		3.77	2.06	4.67	2.19	8.52	4.01		
Percent Moisture	Extracted:								
	Analyzed:	Oct-28-13	13:20	Oct-28-13 1	3:20	Oct-28-13	13:20		
	Units/RL:	%	RL	%	RL	%	RL		
Percent Moisture		2.86	1.00	8.53	1.00	ND	1.00		
TPH By SW8015 Mod	Extracted:	Oct-29-13	11:00	Oct-29-13 1	1:00	Oct-29-13	11:00		
	Analyzed:	Oct-29-13	18:19	Oct-29-13 1	9:54	Oct-29-13	20:25		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C12 Gasoline Range Hydrocarbons	'	ND	15.4	ND	16.4	42.9	15.0		
C12-C28 Diesel Range Hydrocarbons		ND	15.4	22.6	16.4	821	15.0		
C28-C35 Oil Range Hydrocarbons		ND	15.4	ND	16.4	ND	15.0		
Total TPH		ND	15.4	22.6	16.4	864	15.0	 	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Version: 1.%

Hyandro

Alejandro Montoya Odessa Laboratory Director



# **Flagging Criteria**



- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- **F** RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- RL Reporting Limit
- MDL Method Detection Limit
   SDL Sample Detection Limit
- 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

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(770) 449-8800	
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(281) 240-4200

(214) 902 0300

(210) 509-3334

(813) 620-2000

Phone

LOD Limit of Detection

Final 1.000

Fax

(281) 240-4280

(214) 351-9139

(210) 509-3335

(813) 620-2033

(432) 563-1713 (770) 449-5477



# Form 2 - Surrogate Recoveries Project Name: Truck "C" Drip Tank #16 Horizontal

Work Orders Lab Batch #: 92		Sample: 472887-001 / SMP	Bate	Project ID h: 1 Matrix								
U <b>nits:</b> mg	g/kg	Date Analyzed: 10/29/13 17:44	SURROGATE RECOVERY STUDY									
	BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage					
		Analytes			[D]							
1,4-Difluorobenzer	ne		0.0274	0.0300	91	80-120						
4-Bromofluoroben	zene		0.0315	0.0300	105	80-120						
Lab Batch #: 92	.6297	Sample: 472887-002 / SMP	Bate	h: 1 Matrix	: Soil							
Units: mg	g/kg	Date Analyzed: 10/29/13 18:00	SU	JRROGATE R	ECOVERY S	STUDY						
	BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags					
1,4-Difluorobenze	ne	Analy (C)	0.0262	0.0300	87	80-120						
4-Bromofluoroben	zene		0.0309	0.0300	103	80-120						
Lab Batch #: 92	6297	Sample: 472887-003 / SMP	Bato	h: 1 Matrix	: Soil	11						
Units: mg	g/kg	Date Analyzed: 10/29/13 18:16	SU	JRROGATE R	ECOVERY	STUDY						
	BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage					
		Analytes			[D]							
1,4-Difluorobenze	ne		0.0246	0.0300	82	80-120						
4-Bromofluoroben			0.0259	0.0300	86	80-120						
Lab Batch #: 92	.6410	Sample: 472887-001 / SMP	Bate	ch: 1 Matrix	: Soil							
Units: mg	g/kg	Date Analyzed: 10/29/13 18:19	SU	JRROGATE R	ECOVERY S	STUDY						
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage					
1-Chlorooctane			110	99.8	110	70-135						
o-Terphenyl			48.8	49.9	98	70-135						
Lab Batch #: 92	.6410	Sample: 472887-002 / SMP	Bate	h: 1 Matrix	: Soil							
U <b>nits:</b> mg	g/kg	Date Analyzed: 10/29/13 19:54	SU	JRROGATE R	ECOVERYS	STUDY						
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag					
1.011		Analytes	100									
1-Chlorooctane			108	100	108	70-135						
o-Terphenyl			50.3	50.0	101	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



# Form 2 - Surrogate Recoveries Project Name: Truck "C" Drip Tank #16 Horizontal

Work Orders Lab Batch #: 92		7, <b>Sample:</b> 472887-003 / SMP	Bate	Project ID h: 1 Matrix			
Units: m	ng/kg	Date Analyzed: 10/29/13 20:25	SU	JRROGATE R	ECOVERY S	STUDY	
	TPH I	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes			[D]		
1-Chlorooctane			123	99.9	123	70-135	
o-Terphenyl			59.2	50.0	118	70-135	
Lab Batch #: 92	26297	Sample: 646116-1-BLK / Bl	LK Bate	h: 1 Matrix	: Solid		
Units: m	ng/kg	Date Analyzed: 10/29/13 14:59	SU	JRROGATE R	ECOVERY S	STUDY	
	втеу	K by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenze	ene	Analytes	0.0272	0.0300	91	80-120	
4-Bromofluorobe			0.0272	0.0300	91	80-120	
Lab Batch #: 92		Sample: 646133-1-BLK / Bl			: Solid	00 120	
	ng/kg	Date Analyzed: 10/29/13 17:12		JRROGATE R		STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage
		Analytes			[D]		
1-Chlorooctane			121	100	121	70-135	
o-Terphenyl			57.8	50.0	116	70-135	
Lab Batch #: 92	26297	Sample: 646116-1-BKS / BI	KS Bate	h: 1 Matrix	: Solid		
Units: m	ng/kg	Date Analyzed: 10/29/13 14:11	SU	JRROGATE R	ECOVERY S	STUDY	
	BTEX	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenze		Analytes	0.0202	0.0200		80.120	
4-Bromofluorober			0.0302	0.0300	101	80-120 80-120	
Lab Batch #: 92		Sample: 646133-1-BKS / BI			: Solid	00-120	
	ig/kg	<b>Date Analyzed:</b> 10/29/13 16:04		JRROGATE R		STUDY	
	TPH I	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes			[D]		
1-Chlorooctane			126	100	126	70-135	
o-Terphenyl			52.7	50.0	105	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



# Form 2 - Surrogate Recoveries Project Name: Truck "C" Drip Tank #16 Horizontal

Lab Batch	<b>ders :</b> 47288 #: 926297	Sample: 646116-1-BSD / B	SD Batcl	Project ID h: 1 Matrix			
U <b>nits:</b>	mg/kg	Date Analyzed: 10/29/13 14:28	SU	RROGATE R	ECOVERY	STUDY	
	BTEX	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1,4-Difluoro	benzene		0.0308	0.0300	103	80-120	
4-Bromoflue	orobenzene		0.0329	0.0300	110	80-120	
Lab Batch	<b>#:</b> 926410	Sample: 646133-1-BSD / B	SD Batel	h: 1 Matrix	: Solid		
U <b>nits:</b>	mg/kg	Date Analyzed: 10/29/13 16:38	SU	RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooct	ane	Analytes	113	100	113	70-135	
o-Terphenyl			56.5	50.0	113	70-135	
Lab Batch		Sample: 472887-001 S / MS	Batcl	h: 1 Matrix	: Soil		
U <b>nits:</b>	mg/kg	Date Analyzed: 10/29/13 18:52		RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage
		Analytes	[]	[2]	[D]	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1-Chlorooct	ane		129	99.8	129	70-135	
o-Terphenyl			52.8	49.9	106	70-135	
Lab Batch	#: 926297	Sample: 472888-001 S / MS	S Batcl	h: 1 Matrix	: Soil		
U <b>nits:</b>	mg/kg	Date Analyzed: 10/29/13 19:36	SU	RROGATE R	ECOVERY	STUDY	
	втех	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluoro	benzene		0.0303	0.0300	101	80-120	
4-Bromoflue	orobenzene		0.0311	0.0300	104	80-120	
Lab Batch	#: 926410	Sample: 472887-001 SD / N	ASD Batel	h: 1 Matrix	Soil	1	
J <b>nits:</b>	mg/kg	Date Analyzed: 10/29/13 19:25	SU	RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
		· ••••••••••••••••••••••••••••••••••••	122	99.8	122	70-135	
1-Chlorooct							

* 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



## **BS / BSD Recoveries**



### Project Name: Truck "C" Drip Tank #16 Horizontal

Work Order #: 472887							Proj	ject ID:			
Analyst: ARM	D	ate Prepar	red: 10/29/20	13			Date A	nalyzed: 1	10/29/2013		
Lab Batch ID: 926297 Sample: 646116-1-H	BKS	Batc	<b>h #:</b> 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK	SPIKE / I	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	DY	
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	0.102	102	0.100	0.103	103	1	70-130	35	
Toluene	< 0.00200	0.100	0.104	104	0.100	0.105	105	1	70-130	35	
Ethylbenzene	< 0.00100	0.100	0.110	110	0.100	0.112	112	2	71-129	35	
m,p-Xylenes	< 0.00200	0.200	0.224	112	0.200	0.227	114	1	70-135	35	
o-Xylene	< 0.00100	0.100	0.112	112	0.100	0.114	114	2	71-133	35	
Analyst: AMB	D	ate Prepar	red: 10/31/20	13			Date A	nalyzed:	0/31/2013		
Lab Batch ID: 926519 Sample: 646260-1-H	BKS	Batc	<b>h #:</b> 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K /BLANK	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOVI	ERY STUI	DY	
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	47.1	94	50.0	48.2	96	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: Truck "C" Drip Tank #16 Horizontal

Work Order	:#: 472887					Project ID:								
Analyst:	ARM	D	ate Prepai	red: 10/29/201	13			Date A	nalyzed: 1	10/29/2013				
Lab Batch ID	: 926410 Sample: 646133-1-E	BKS	Batc	<b>h #:</b> 1					Matrix: S	Solid				
Units:	mg/kg		BLAN	K /BLANK S	SPIKE / I	BLANK S	SPIKE DUPI	LICATE	RECOVI	ERY STUI	DY			
	TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag		
Analy	vtes		[ <b>B</b> ]	[C]	[D]	[E]	Result [F]	[G]						
C6-C12 G	asoline Range Hydrocarbons	<15.0	1000	1070	107	1000	1090	109	2	70-135	35			
C12-C28	Diesel Range Hydrocarbons	<15.0	1000	1150	115	1000	1140	114	1	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

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# Form 3 - MS Recoveries Project Name: Truck "C" Drip Tank #16 Horizontal



Work Order #: 472887						
Lab Batch #: 926297			Proj	ect ID:		
<b>Date Analyzed:</b> 10/29/2013	Date Prepared: 10/29/2013 Analyst: ARM					
QC- Sample ID: 472888-001 S	Batch #: 1 Matrix: Soil					
Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
BTEX by EPA 8021B	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes	[A]	[B]				
Benzene	< 0.00114	0.114	0.0990	87	70-130	
Toluene	< 0.00228	0.114	0.102	89	70-130	
Ethylbenzene	< 0.00114	0.114	0.103	90	71-129	
m,p-Xylenes	< 0.00228	0.228	0.208	91	70-135	
o-Xylene	< 0.00114	0.114	0.105	92	71-133	
Lab Batch #:         926519						
<b>Date Analyzed:</b> 10/31/2013	Date Prepared: 10/3	1/2013	А	nalyst: A	AMB	
<b>QC- Sample ID:</b> 472887-002 S	<b>Batch #:</b> 1		1	Matrix: S	Soil	
Reporting Units: mg/kg	MATH	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	4.67	54.7	54.8	92	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative 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: Truck "C" Drip Tank #16 Horizontal

Work Order # :	472887						Project II	):				
Lab Batch ID:	926410	C- Sample ID:	472887	-001 S	Ba	tch #:	1 Matrix	: Soil				
Date Analyzed:	10/29/2013	Date Prepared:	10/29/2	013	An	alyst: A	ARM					
<b>Reporting Units:</b>	mg/kg		Μ	ATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY S	STUDY		
]	ГРН By SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Sample	Spike	Duplicate Spiked Sample	-	RPD	Control Limits	Control Limits	Flag
	Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
C6-C12 Gasoline	e Range Hydrocarbons	<15.4	1030	1090	106	1030	1020	99	7	70-135	35	
C12-C28 Diesel	Range Hydrocarbons	<15.4	1030	1080	105	1030	1040	101	4	70-135	35	

Matrix Spike Percent Recovery  $[D] = 100^{\circ}(C-A)/B$ Relative Percent Difference RPD =  $200^{\circ}|(C-F)/(C+F)|$  Matrix Spike Duplicate Percent Recovery  $[G] = 100^{*}(F-A)/E$ 

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



Sample Duplicate Recovery



# Project Name: Truck "C" Drip Tank #16 Horizontal

Work Order #: 472887

Lab Batch #: 926238				Project I	D:	
Date Analyzed: 10/28/2013 13:20	Date Prepared	:10/28/2013	Anal	yst:WRU		
QC- Sample ID: 472887-001 D	Batch #	: 1	Mat	rix: Soil		
Reporting Units: %	[	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Pa	arent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte			[ <b>B</b> ]			
Percent Moisture		2.86	2.86	0	20	

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

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	Project Manager:	Joel Lowry			1									Ĩ	-	Project Name: Trunk "C" Drip Tank #16 Historical	ct Na	me:	Tru	" yu	5	Drip	Tar	¥ #	16 H	isto	rica		1
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	Company Address: P.O. Box 301	P.O. Box 301												Ĩ		Pro	Project Loc: Lea County, NM	:2	Lea	Cour	nty,	MN							1
	City/State/Zip: 1	Lovington, NM 88260												1			ď.	BO #:	-										1
	Telephone No:	(575)396-2378				Fax No:		75) 3	(575) 396-1429	129				1	Rep	Report Format:	orma		×	Standard	dard			TRRP	۵.		D ND	NPDES	
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ORDER #:	π#:							μ	Preservation	ation	8#0	& # of Containers	ainer	Ц	Matrix					03	90	-	09					'87	ſ
(ɣino эɛu dɕi) # 8A⊥	HELD	FIELD CODE	dîqa Depth	Ending Depth	Date Sampled	bəlqms2 əmiT	Field Filtered Total #. of Containers	)ce	^{\$} ONH	H°20' HCI	HO [®] N [≯] OS ^z H	Na2S2O3	9noN	Other ( Specify) DW=Drinking Water SL=Sludg	CW = Croundwater S=Soil/Sol	NP= Non-Potable Specify Othe 198 NS108 1.814 :H9T	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Va, K)	(tinils/IA ,402 ,IS) snoinA	SAR / ESP / CEC	Volatiles Volatiles	Semivolatiles	BTEX 80218/5030 or BTEX 820	RCI	.м.я.о.и	CHLORIDES Total Dissolved Solids		RUSH TAT (Pre-Schedule) 24,	YAG & TAT bisbrist
	N. Exc.	SSW #1			10/25/2013	1000	-	×						_		×				_			×			×			×
	N. Exc.	N. Exc. ESW #1			10/25/2013	1020	1	×						_		X					_		×			×			×
	N. Exc.	N. Exc. WSW #1			10/25/2013	1040	1	×						_		×					_		×			×			×
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Final 1.000



# **XENCO** Laboratories



### Prelogin/Nonconformance Report- Sample Log-In

Client: Regency Gas	Acceptable Temperature Range: 0 - 6 degC				
Date/ Time Received: 10/25/2013 01:05:00 PM	Air and Metal samples Acceptable Range: Ambient				
Work Order #: 472887	Temperature Measuring device used :				
Sample Recei	pt Checklist Comments				
#1 *Temperature of cooler(s)?	6.7				
#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?	Νο				
#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	? <b>Yes</b>				
#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)?	Νο				
#20 VOC samples have zero headspace (less than 1/4 inch	bubble)? N/A				
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	N/A				
#22 >10 for all samples preserved with NaAsO2+NaOH, Zn	Ac+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:
 Candau fames
 Date: 10/28/2013

 Candace James
 Date: 10/28/2013

 Checklist reviewed by:
 Mass Moath
 Date: 10/28/2013

 Kelsey Brooks
 Date: 10/28/2013

# Analytical Report 473268

for Regency Gas

Project Manager: Joel Lowry Trunk ''C'' Drip Tank #16 Historical

### 05-NOV-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)



05-NOV-13

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

Reference: XENCO Report No(s): **473268 Trunk ''C'' Drip Tank #16 Historical** Project Address: Lea County, New Mexico

#### 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) 473268. 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. 473268 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.

Kms Joah

 Kelsey Brooks

 Project Manager

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



### Sample Id

10/31 Stockpile
N. Exc. ESW #2
N. Esc. WSW #2
N. Exc. NSW #1
N. Exc. NSW #2

# Sample Cross Reference 473268



## Regency Gas, Monahans, TX

Trunk "C" Drip Tank #16 Historical

Matrix	Date Collected	Sample Depth	Lab Sample Id
S	10-31-13 10:40		473268-001
S	10-31-13 10:50		473268-002
S	10-31-13 11:00		473268-003
S	10-31-13 11:10		473268-004
S	10-31-13 11:20		473268-005



## CASE NARRATIVE



Client Name: Regency Gas Project Name: Trunk "C" Drip Tank #16 Historical

Project ID: Work Order Number(s): 473268 
 Report Date:
 05-NOV-13

 Date Received:
 10/31/2013

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



**Project Id:** 

**Contact:** Joel Lowry

Project Location: Lea County, New Mexico

## Certificate of Analysis Summary 473268

Regency Gas, Monahans, TX

Project Name: Trunk "C" Drip Tank #16 Historical



Date Received in Lab: Thu Oct-31-13 04:20 pm

Report Date: 05-NOV-13 Project Manager: Kalsay Brook

								Project Ma	anager:	Kelsey Brook	S	
	Lab Id:	473268-	001	473268-0	02	473268-	003	473268-	004	473268-0	005	
	Field Id:	10/31 Stoc	kpile	N. Exc. ES	W #2	N. Esc. WS	SW #2	N. Exc. NS	SW #1	N. Exc. NS	W #2	
Analysis Requested	Depth:											
	Matrix:	SOIL		SOIL		SOIL		SOIL	_	SOIL	,	
	Sampled:	Oct-31-13	10:40	Oct-31-13	0:50	Oct-31-13	11:00	Oct-31-13	11:10	Oct-31-13	11:20	
BTEX by EPA 8021B	Extracted:	Nov-04-13	18:00	Nov-04-13	18:00	Nov-04-13	18:00	Nov-04-13	18:00	Nov-04-13	18:00	
	Analyzed:	Nov-05-13	02:02	Nov-05-13	02:18	Nov-05-13	02:33	Nov-05-13	02:50	Nov-05-13	03:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Benzene		ND	0.000998	ND	0.000996	ND	0.000996	ND	0.000994	ND	0.000998	
Toluene		ND	0.00200	ND	0.00199	ND	0.00199	ND	0.00199	ND	0.00200	
Ethylbenzene		0.00157	0.000998	ND	0.000996	ND	0.000996	ND	0.000994	ND	0.000998	
m,p-Xylenes		0.00438	0.00200	ND	0.00199	0.00283	0.00199	ND	0.00199	ND	0.00200	
o-Xylene		0.00239	0.000998	ND	0.000996	ND	0.000996	ND	0.000994	ND	0.000998	
Total Xylenes		0.00677	0.000998	ND	0.000996	0.00283	0.000996	ND	0.000994	ND	0.000998	
Total BTEX		0.00834	0.000998	ND	0.000996	0.00283	0.000996	ND	0.000994	ND	0.000998	
Inorganic Anions by EPA 300/300.1	Extracted:	Nov-03-13	10:00	Nov-03-13	10:00	Nov-03-13	10:00	Nov-03-13	10:00	Nov-03-13	10:00	
	Analyzed:	Nov-04-13	18:22	Nov-04-13	18:45	Nov-04-13	21:01	Nov-04-13	21:46	Nov-04-13	22:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Chloride		18.7	10.0	17.2	10.0	16.9	10.0	17.8	10.0	17.7	10.0	
Percent Moisture	Extracted:											
	Analyzed:	Nov-01-13	15:50	Nov-01-13	15:50	Nov-01-13	15:50	Nov-01-13	15:50	Nov-01-13	15:50	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	
Percent Moisture		ND	1.00	6.07	1.00	8.19	1.00	4.34	1.00	7.17	1.00	
TPH By SW8015 Mod	Extracted:	Nov-01-13	14:00	Nov-01-13	14:00	Nov-01-13	14:00	Nov-01-13	14:00	Nov-01-13	14:00	
	Analyzed:	Nov-01-13	16:30	Nov-01-13	16:58	Nov-01-13	17:28	Nov-01-13	17:55	Nov-01-13	18:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
C6-C12 Gasoline Range Hydrocarbons		62.3	15.1	ND	15.9	24.4	16.3	28.6	15.7	ND	16.1	
C12 - C28 Diesel Range Hydrocarbons		1170	15.1	21.8	15.9	928	16.3	461	15.7	215	16.1	
C28-C35 Oil Range Hydrocarbons		ND	15.1	ND	15.9	ND	16.3	ND	15.7	ND	16.1	
Total TPH 1005		1230	15.1	21.8	15.9	952	16.3	490	15.7	215	16.1	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Huns Boah

Kelsey Brooks Project Manager

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# **Flagging Criteria**



- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- **F** RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

LOD Limit of Detection

Phone

(281) 240-4200

(214) 902 0300

(210) 509-3334

(813) 620-2000

(432) 563-1800

(770) 449-8800

(602) 437-0330

- ** Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- RL Reporting Limit
- MDL Method Detection Limit
   SDL Sample Detection Limit
- 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

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(214) 351-9139

(210) 509-3335

(813) 620-2033

(432) 563-1713

(770) 449-5477



	<b>#:</b> 926709	Sample: 473268-001 / SMP	Batc	h: 1 Matrix	. 501		
U <b>nits:</b>	mg/kg	<b>Date Analyzed:</b> 11/01/13 16:30	SU	RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage
		Analytes			[D]		
1-Chloroocta	ine		90.1	99.8	90	70-135	
o-Terphenyl			40.0	49.9	80	70-135	
Lab Batch #	<b>#:</b> 926709	Sample: 473268-002 / SMP	Batc	h: 1 Matrix	: Soil		
U <b>nits:</b>	mg/kg	Date Analyzed: 11/01/13 16:58	SU	RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage
1-Chloroocta	ine	Analytes	116	99.7	116	70-135	
o-Terphenyl			54.2	49.9	109	70-135	
Lab Batch a	<b>#:</b> 926709	Sample: 473268-003 / SMP	Batc			10 100	
Units:	mg/kg	Date Analyzed: 11/01/13 17:28		RROGATE R		STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes			[D]		
1-Chloroocta	ine		98.4	99.9	98	70-135	
o-Terphenyl			45.9	50.0	92	70-135	
Lab Batch #	<b>#:</b> 926709	Sample: 473268-004 / SMP	Batc	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 11/01/13 17:55	SU	RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1-Chloroocta	ine		101	99.9	101	70-135	
o-Terphenyl			46.8	50.0	94	70-135	
Lab Batch a	#: 926709	Sample: 473268-005 / SMP	Batc		: Soil	1	
Units:	mg/kg	Date Analyzed: 11/01/13 18:21	SU	RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
		711111 y 100	99.9	99.7	100	70-135	
1-Chloroocta	ine	1					

* 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



Lab Batch #	<b>926</b> ///	Sample: 473268-001 / SMP	Batc	h: 1 Matrix	: Soll		
U <b>nits:</b>	mg/kg	Date Analyzed: 11/05/13 02:02	SU	RROGATE R	ECOVERY S	STUDY	
	BTE	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes			[D]		
1,4-Difluorol	benzene		0.0240	0.0300	80	80-120	
4-Bromofluo	robenzene		0.0305	0.0300	102	80-120	
Lab Batch #	<b>:</b> 926777	Sample: 473268-002 / SMP	Batc	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 11/05/13 02:18	SU	RROGATE R	ECOVERY S	STUDY	
	ВТЕХ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1,4-Difluorol	oenzene	Analytes	0.0265	0.0300	88	80-120	
4-Bromofluo			0.0279	0.0300	93	80-120	
Lab Batch #	•: 926777	Sample: 473268-003 / SMP	Batc			00 120	
Units:	mg/kg	Date Analyzed: 11/05/13 02:33	su	RROGATE R	ECOVERYS	STUDY	
	BTEX	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes		[0]	[D]	70K	
1,4-Difluorol	benzene		0.0259	0.0300	86	80-120	
4-Bromofluo	robenzene		0.0295	0.0300	98	80-120	
Lab Batch #	<b>:</b> 926777	Sample: 473268-004 / SMP	Batc	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 11/05/13 02:50	SU	RROGATE R	ECOVERY S	STUDY	
	втех	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1,4-Difluorol	enzene		0.0248	0.0300	83	80-120	
4-Bromofluo	robenzene		0.0319	0.0300	106	80-120	
Lab Batch #		Sample: 473268-005 / SMP	Batc	h: 1 Matrix	: Soil	I	
Units:	mg/kg	Date Analyzed: 11/05/13 03:06	SU	RROGATE R	ECOVERY S	STUDY	
	ВТЕУ	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1,4-Difluorol	oenzene	-	0.0242	0.0300	81	80-120	
1,4-Dilluoioi							

* 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



	#: 926709	Sample: 646359-1-BLK / B					
U <b>nits:</b>	mg/kg	Date Analyzed: 11/01/13 20:28	SU	RROGATE R	ECOVERY S	STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes			[D]		
1-Chlorooct	ane		104	100	104	70-135	
o-Terphenyl			47.9	50.0	96	70-135	
Lab Batch	# <b>:</b> 926777	Sample: 646437-1-BLK / B	LK Batc	h: 1 Matrix	: Solid		
U <b>nits:</b>	mg/kg	Date Analyzed: 11/05/13 01:46	SU	RROGATE R	ECOVERY S	STUDY	
	BTEX	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1,4-Difluoro	benzene	Anarytes	0.0265	0.0300	88	80-120	
4-Bromoflue	orobenzene		0.0284	0.0300	95	80-120	
Lab Batch	#: 926709	Sample: 646359-1-BKS / B			: Solid		
Units:	mg/kg	Date Analyzed: 11/01/13 19:38	SU	RROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes	[]	[2]	[D]	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1-Chlorooct	ane		124	100	124	70-135	
o-Terphenyl			58.7	50.0	117	70-135	
Lab Batch	#: 926777	Sample: 646437-1-BKS / B	KS Batc	h: 1 Matrix	: Solid		
Units:	mg/kg	Date Analyzed: 11/05/13 00:26	SU	RROGATE R	ECOVERY S	STUDY	
	BTEX	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1,4-Difluoro	benzene		0.0293	0.0300	98	80-120	
4-Bromoflue	orobenzene		0.0327	0.0300	109	80-120	
Lab Batch	#: 926709	Sample: 646359-1-BSD / B	SD Batc	h: 1 Matrix	: Solid	1 1	
U <b>nits:</b>	mg/kg	Date Analyzed: 11/01/13 20:03	SU	RROGATE R	ECOVERY S	STUDY	
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
			93.2	100	93	70-135	
1-Chloroocta	ane						

* 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



	<b>#:</b> 926777	Sample: 646437-1-BSD / B	SD Batc	h: 1 Matrix	: 5010		
J <b>nits:</b>	mg/kg	<b>Date Analyzed:</b> 11/05/13 00:42	SU	JRROGATE R	ECOVERY S	STUDY	
	BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage
		Analytes			[D]		
1,4-Difluoro	benzene		0.0318	0.0300	106	80-120	
4-Bromofluc	robenzene		0.0327	0.0300	109	80-120	
Lab Batch #	<b>#:</b> 926709	Sample: 473268-002 S / MS	B Batc	h: 1 Matrix	: Soil		
U <b>nits:</b>	mg/kg	Date Analyzed: 11/01/13 18:47	SU	JRROGATE R	ECOVERY	STUDY	
	TPH ]	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1-Chloroocta	ine	1 mary tes	116	99.8	116	70-135	
o-Terphenyl			64.8	49.9	130	70-135	
Lab Batch #	<b>#:</b> 926777	Sample: 473268-002 S / MS					
Units:	mg/kg	Date Analyzed: 11/05/13 00:58	su	JRROGATE R	ECOVERY	STUDY	
	BTEX	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
		Analytes	[A]		[D]	701	
1,4-Difluoro	benzene		0.0312	0.0300	104	80-120	
4-Bromofluc	robenzene		0.0329	0.0300	110	80-120	
Lab Batch #	<b>#:</b> 926709	Sample: 473268-002 SD / M	ISD Bate	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 11/01/13 19:12	SU	JRROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1-Chloroocta	ine		104	100	104	70-135	
o-Terphenyl			57.0	50.0	114	70-135	
Lab Batch #	<b>#:</b> 926777	Sample: 473268-002 SD / M	ASD Bate	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 11/05/13 01:14	SU	JRROGATE R	ECOVERYS	STUDY	
	втех	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
		Analytes					
1,4-Difluoro	benzene	Analytes	0.0310	0.0300	103	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



## **BS / BSD Recoveries**



#### Project Name: Trunk "C" Drip Tank #16 Historical

Work Order #: 473268							Proj	ect ID:			
Analyst: ARM	D	ate Prepar	ed: 11/04/201	13			Date A	nalyzed: 1	1/05/2013		
Lab Batch ID: 926777 Sample: 646437-1-	BKS	Batch	h#: 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	ΟY	
BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]				
Benzene	< 0.00100	0.100	0.0948	95	0.100	0.0988	99	4	70-130	35	
Toluene	< 0.00200	0.100	0.0956	96	0.100	0.0991	99	4	70-130	35	
Ethylbenzene	< 0.00100	0.100	0.0996	100	0.100	0.103	103	3	71-129	35	
m,p-Xylenes	< 0.00200	0.200	0.203	102	0.200	0.210	105	3	70-135	35	
o-Xylene	< 0.00100	0.100	0.104	104	0.100	0.108	108	4	71-133	35	
Analyst: AMB	D	ate Prepar	red: 11/03/201	13			Date A	nalyzed:	1/04/2013		
Lab Batch ID: 926811 Sample: 646453-1-	BKS	Batch	<b>h #:</b> 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	DY	
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	47.4	95	50.0	47.2	94	0	90-110	20	

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



## **BS / BSD Recoveries**



#### Project Name: Trunk "C" Drip Tank #16 Historical

Work Order #: 473268							Proj	ject ID:			
Analyst: AMB	D	ate Prepar	ed: 11/03/20	13			Date A	nalyzed:	11/04/2013		
Lab Batch ID: 926813         Sample: 6464	57-1-BKS	Batcl	<b>n #:</b> 1					Matrix:	Solid		
Units: mg/kg		BLAN	K /BLANK	SPIKE /	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	DY	
Inorganic Anions by EPA 300/300.1	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
Analytes	2.00								00.110		
Chloride	<2.00	50.0	47.7	95	50.0	47.8	96	0	90-110	20	
Analyst: ARM	D	ate Prepar	ed: 11/01/20	13	-	1	Date A	nalyzed:	11/01/2013	Į	ļ
Analyst:ARMLab Batch ID:926709Sample:6463		_	ed: 11/01/20 h #: 1	13		1		nalyzed: Matrix:		ł	· J
		Batcl	<b>h #:</b> 1		BLANK	SPIKE DUP		Matrix:	Solid	DY	· · · · · · · · · · · · · · · · · · ·
Lab Batch ID: 926709         Sample: 6463		Batcl	<b>h #:</b> 1		BLANK Spike Added [E]	SPIKE DUP Blank Spike Duplicate Result [F]		Matrix:	Solid	DY Control Limits %RPD	Flag
Lab Batch ID: 926709 Sample: 6463 Units: mg/kg TPH By SW8015 Mod	59-1-BKS Blank Sample Result	Batcl BLAN Spike Added	n #: 1 K /BLANK Blank Spike Result	SPIKE / 2 Blank Spike %R	Spike Added	Blank Spike Duplicate	LICATE Blk. Spk Dup. %R	Matrix: RECOV	Solid ERY STUI Control Limits	Control Limits	Flag

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

XENCO Fo	orm 3 - MS	Recov	veries		SUNP ACCR	STEE
	me: Trunk ''C	" Drip 7	Fank #16 Hi	istorica	CABORAT	ORY
Work Order #: 473268						
Lab Batch #: 926811			Proj	ect ID:		
Date Analyzed: 11/04/2013	Date Prepared: 11/0	3/2013	A	analyst: A	MB	
QC- Sample ID: 473141-001 S	<b>Batch #:</b> 1		I	Matrix: S	oil	
Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes	[A]	[B]				
Chloride	213	265	496	107	80-120	
Lab Batch #: 926811						
Date Analyzed: 11/04/2013	Date Prepared: 11/0	3/2013	Α	<b>nalyst:</b> A	MB	
QC- Sample ID: 473141-011 S	<b>Batch #:</b> 1		1	<b>Matrix:</b> S	oil	
Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes	[A]	[B]				
Chloride	6.00	50.7	52.5	92	80-120	
Lab Batch #: 926813						
Date Analyzed: 11/04/2013	Date Prepared: 11/0	3/2013	А	analyst: A	MB	
QC- Sample ID: 473268-003 S	<b>Batch #:</b> 1		I	<b>Matrix:</b> S	oil	
Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	16.9	250	232	86	80-120	



## Form 3 - MS / MSD Recoveries



#### Project Name: Trunk "C" Drip Tank #16 Historical

<b>Work Order # :</b> 473268						Project II	<b>)</b> :				
<b>Lab Batch ID:</b> 926777	QC- Sample ID:	473268	-002 S	Ba	tch #:	1 Matrix	k: Soil				
<b>Date Analyzed:</b> 11/05/2013	Date Prepared:	11/04/2	013	Ar	alyst: A	ARM					
Reporting Units: mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
BTEX by EPA 8021B	Parent Sample	Spike	Spiked Sample Result	Sample	Spike	Duplicate Spiked Sample		RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Benzene	<0.000998	0.0998	0.0940	94	0.0998	0.0934	94	1	70-130	35	
Toluene	<0.00200	0.0998	0.0941	94	0.0998	0.0939	94	0	70-130	35	
Ethylbenzene	<0.000998	0.0998	0.0974	98	0.0998	0.0970	97	0	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.197	99	0.200	0.197	99	0	70-135	35	
o-Xylene	<0.000998	0.0998	0.101	101	0.0998	0.101	101	0	71-133	35	
Lab Batch ID: 926709	QC- Sample ID:	473268	-002 S	Ba	tch #:	1 Matrix	k: Soil				
<b>Date Analyzed:</b> 11/01/2013	Date Prepared:	11/01/2	013	Ar	alyst: A	ARM					
<b>Reporting Units:</b> mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
TPH By SW8015 Mod	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]	[~]	[D]	[E]	in [i ]	[G]	,,,			
C6-C12 Gasoline Range Hydrocarbons	<15.9	1060	1300	123	1060	1170	110	11	70-135	35	
C12 - C28 Diesel Range Hydrocarbons	21.8	1060	1320	122	1060	1170	108	12	70-135	35	

Matrix Spike Percent Recovery  $[D] = 100^{*}(C-A)/B$ Relative Percent Difference RPD =  $200^{*}|(C-F)/(C+F)|$  Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Sample Duplicate Recovery



### Project Name: Trunk "C" Drip Tank #16 Historical

Work Order #: 473268

Lab Batch #: 926686			Project I	D:	
Date Analyzed: 11/01/2013 15:50	Date Prepared: 11/01/201	3 Ana	lyst:WRU		
QC- Sample ID: 473205-001 D	<b>Batch #:</b> 1	Mat	rix: Soil		
<b>Reporting Units:</b> %	SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result	e Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte	[A]	[B]			
Percent Moisture	10.4	10.6	2	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

Polject Norm         Jant Lowy           Polject Norm         Jant Lowy           Polject Norm         Jant Lowy           Compony Name         Jant Environmental Second Technologieu, LG           Compony Address:         P. Data Sin           Compony Address:         P. Data Sin           Compony Marcess:         Jant Second Marcess:           Polject Name         Jant Second Marcess:           Compony Marcess:         Jant Second Marcess:           Compons								12 0 0	12600 West I-20 East Odessa, Texas 79765	Vest , Tex	I-20 cas 7	East 9765			n:				<u>د</u> ۳	hone Fax:	: 432 432	Phone: 432-563-1800 Fax: 432-563-1713	800 713	~	2	<b>`</b>
Nime         Table Territorinandi Santo Technologia, LLC         Propert.         Propert.           Address:         F.O. Box 31         Propert.         Propert.         Propert.         Propert.           Dr.         Longington, NM 18200         No.         (175) 398-2373         Report.         Display.         Propert.         Display.           Dr.         Longington, NM 18200         No.         (175) 398-2373         Report.         Display.         Propert.         Display.         Propert.         Display.		1												ĩ	۵.	rojec	t Nan	Ë	unk	<u>ت</u>	Drip	Tank	#16	listo	rical	
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Dist.         Longion, NN 86200         No.         (57)306-5173         Report Format.         Month Record		Company Address: P.O. Box 301												1		Proj	ect L	الــــــــــــــــــــــــــــــــــــ	a Cou	nty, ľ	Σ					
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Date     Time     Received by:       NU[2,1](13     4: 7U     NOCs Free of Headspace?       V     V     VCs Free of Headspace?       V     Date     Time       V     Date     V       V     Date     V       V     Date     V       V     Date     V       Date     Time     V										-+-+																
Date     Time     Received by:       Date     Time     Sample Hand Delivered       Date     Time     Noticitient Rep. ?       Date     Time     Received by ELOT:       Date     Time     Noticitient Rep. ?       Date     Time     Noticitient Rep. ?       Date     Time     Noticitient Rep. ?	Special In	structions:					an a	_		-	_		-	_		-		Samp	Con	Comr	nents s Inta	et		_ >>		z
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Page 16 of 17



Client: Regency Gas

### **XENCO** Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: Regency Gas	Acceptable Temperature Range: 0 - 6 degC						
Date/ Time Received: 10/31/2013 04:20:00 PM	Air and Metal samples Acceptable Range: Ambient						
Work Order #: 473268	Temperature Measuring device used :						
Sample Rec	eipt Checklist Comments						
#1 *Temperature of cooler(s)?	6.4						
#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?	Νο						
#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 Custod	y? 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)?	Νο						
#20 VOC samples have zero headspace (less than 1/4 inc	h bubble)? N/A						
#21 <2 for all samples preserved with HNO3,HCL, H2SO4	? <b>N/A</b>						
#22 >10 for all samples preserved with NaAsO2+NaOH, Z	nAc+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: Candau James Candace James

Date: 11/01/2013

Checklist reviewed by: Mary Moah Kelsey Brooks

Date: 11/01/2013

# Analytical Report 493219

for APEX/Titan

**Project Manager: Thomas Franklin** 

Trunk "C" Drip Tank

90307414G050

#### 09-OCT-14

Collected By: Client





#### 12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122): Texas (T104704215-14-16-TX), Arizona (AZ0765), Florida (E871002), Louisiana (03054) New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD ( L10-135) Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

> Xenco-Lakeland: Florida (E84098) 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)



09-OCT-14



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

Reference: XENCO Report No(s): **493219 Trunk "C" Drip Tank** Project Address:

#### Thomas Franklin:

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) 493219. 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. 493219 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

 Julian Martinez

 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 493219



### APEX/Titan, Midland, TX

Trunk "C" Drip Tank

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-1 @ BGT 20 ft	S	09-10-14 10:10	- 20 ft	493219-003
SB-1 @ BGT 25 ft	S	09-10-14 10:20	- 25 ft	493219-004
SB-1 @ BGT 30 ft	S	09-10-14 10:30	- 30 ft	493219-005
SB-1 @ BGT 35 ft	S	09-10-14 10:50	- 35 ft	493219-006
SB-1 @ BGT 40 ft	S	09-10-14 11:10	- 40 ft	493219-007
SB-1 @ BGT 45 ft	S	09-10-14 11:30	- 45 ft	493219-008
SB-1 @ BGT 50ft	S	09-10-14 13:00	- 50 ft	493219-009
SB-2 @ TT-6 10ft	S	09-10-14 13:10	- 10 ft	493219-010
SB-2 @ TT-6 20ft	S	09-10-14 13:30	- 20 ft	493219-012
SB-2 @ TT-6 30ft	S	09-10-14 13:50	- 30 ft	493219-014
SB-2 @ TT-6 35ft	S	09-10-14 14:00	- 35 ft	493219-015
SB-3 @ SW Floor 10 ft	S	09-11-14 10:20	- 10 ft	493219-017
SB-3 @ SW Floor 15 ft	S	09-11-14 10:25	- 15 ft	493219-018
SB-3 @ SW Floor 20 ft	S	09-11-14 10:30	- 20 ft	493219-019
SB-3 @ SW Floor 25 ft	S	09-11-14 10:45	- 25 ft	493219-020
SB-3 @ SW Floor 30 ft	S	09-11-14 11:00	- 30 ft	493219-021
SB-1 @ BGT 10 ft	S	09-10-14 10:00	- 10 ft	Not Analyzed
SB-1 @ BGT 15 ft	S	09-10-14 10:05	- 15 ft	Not Analyzed
SB-2 @ TT-6 15ft	S	09-10-14 13:20	- 15 ft	Not Analyzed
SB-2 # TT-6 25ft	S	09-10-14 13:40	- 25 ft	Not Analyzed
SB-2 @ TT-6 40ft	S	09-11-14 10:10	- 40 ft	Not Analyzed
SB-3 @ SW Floor 35ft	S	09-11-14 11:00	- 35 ft	Not Analyzed





Client Name: APEX/Titan Project Name: Trunk ''C'' Drip Tank

 Project ID:
 90307414G050

 Work Order Number(s):
 493219

 Report Date:
 09-OCT-14

 Date Received:
 09/12/2014

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



**Project Id:** 90307414G050

**Contact:** Thomas Franklin

# Certificate of Analysis Summary 493219

**APEX/Titan, Midland, TX** 

Project Name: Trunk "C" Drip Tank



RL 1.00

Date Received in Lab: Fri Sep-12-14 12:42 pm Report Date: 09-OCT-14

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oject Location:								Report	Dutt.	07 001 14			
oject Location								Project Mar	nager:	Kelsey Brooks	3		
	Lab Id:	493219-0	03	493219-0	004	493219-005		493219-006		493219-007		493219-008	
Anglusia Doguostad	Field Id:	SB-1 @ BGT	SB-1 @ BGT 20 ft		SB-1 @ BGT 25 ft		SB-1 @ BGT 30 ft		35 ft	SB-1 @ BGT 40 ft		SB-1 @ BGT 45 ft	
Analysis Requested	Analysis Kequesiea Depth: 20 ft		20 ft 25 ft		30 ft		35 ft		40 ft		45 ft		
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Sep-10-14 10:10		Sep-10-14	10:20	Sep-10-14 10:30		Sep-10-14 10:50		Sep-10-14 11:10		Sep-10-14 11:30	
Inorganic Anions by EPA 300/300.1	Extracted:	Sep-16-14	Sep-16-14 16:00		Sep-16-14 16:00		Sep-16-14 16:00		Sep-16-14 16:00		16:00	Sep-16-14	16:00
	Analyzed:	Sep-17-14 00:42		Sep-17-14 01:04		Sep-17-14 01:27		Sep-17-14 01:50		Sep-17-14 02:58		Sep-17-14 03:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RI
Chloride		4010	472	2630	440	1440	109	902	109	559	42.7	324	21.
Percent Moisture	Extracted:												
	Analyzed:	Sep-15-14	17:05	Sep-15-14	17:05	Sep-15-14 1	7:05	Sep-15-14 1	7:05	Sep-15-14 17:05		Sep-15-14	17:05
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		15.3	1.00	9.06	1.00	8.63	1.00	8.12	1.00	6.40	1.00	4.78	1.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi



Julian Martinez Project Manager



**Project Id:** 90307414G050

**Contact:** Thomas Franklin

## Certificate of Analysis Summary 493219

APEX/Titan, Midland, TX

Project Name: Trunk "C" Drip Tank



Date Received in Lab: Fri Sep-12-14 12:42 pm Report Date: 09-OCT-14

**Project Location:** 

roject Location:								-					
								Project Mar	nager:	Kelsey Brooks	5		
	Lab Id:	493219-0	09	493219-0	10	493219-0	012	493219-0	14	493219-0	15	493219-0	17
Anglusia Deguested	Field Id:	SB-1 @ BG	Г 50ft	SB-2 @ TT-6	5 10ft	SB-2 @ TT-	6 20ft	SB-2 @ TT-	5 30ft	SB-2 @ TT-	5 35ft	SB-3 @ SW Flo	oor 10 ft
Analysis Requested	Depth:	50 ft		10 ft		20 ft	20 ft		30 ft		35 ft		
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Sep-10-14	3:00	Sep-10-14 13:10 Se		Sep-10-14	13:30	Sep-10-14	13:50	Sep-10-14 14:00		Sep-11-14 1	10:20
Inorganic Anions by EPA 300/300.1	Extracted:	Sep-16-14	16:00										
	Analyzed:	Sep-17-14 (	Sep-17-14 03:43										
	Units/RL:	mg/kg	RL										
Chloride		217	21.2										
Percent Moisture	Extracted:	1:											
	Analyzed:	Sep-15-14	17:05	Sep-15-14 17:05		Sep-15-14 17:05		Sep-15-14 17:05		Sep-15-14 17:05		Sep-15-14 17:05	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		5.72	1.00	18.8	1.00	7.72	1.00	12.1	1.00	7.05	1.00	38.5	1.00
TPH By SW8015 Mod	Extracted:			Sep-15-14 1	4:00	Sep-15-14	14:00	Sep-15-14	14:00	Sep-15-14	14:00	Sep-15-14 1	14:00
	Analyzed:			Sep-16-14 (	02:26	Sep-16-14 (	02:52	Sep-16-14 (	03:18	Sep-16-14 (	)3:44	Sep-16-14 (	04:11
	Units/RL:			mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons				2040	92.0	114	16.2	ND	17.0	ND	16.1	895	24.3
C12-C28 Diesel Range Hydrocarbons				11600	92.0	705	16.2	86.7	17.0	32.1	16.1	2830	24.3
Total TPH				14200	92.0	848	16.2	86.7	17.0	32.1	16.1	3760	24.3

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Julian Martinez Project Manager



**Project Id:** 90307414G050

**Contact:** Thomas Franklin

# Certificate of Analysis Summary 493219

APEX/Titan, Midland, TX

Project Name: Trunk "C" Drip Tank



Date Received in Lab: Fri Sep-12-14 12:42 pm

**Project Location:** 

Report Date: 09-OCT-14 Project Manager: Kalsay Brook

								Project Ma	nager:	Kelsey Brooks	
	Lab Id:	493219-0	018	493219-0	19	493219-0	020	493219-0	21		
An alugia Degregated	Field Id:	SB-3 @ SW Fl	oor 15 ft	SB-3 @ SW Flo	oor 20 ft	SB-3 @ SW Flo	oor 25 ft	SB-3 @ SW Fl	oor 30 ft		
Analysis Requested	Depth:	15 ft		20 ft		25 ft	25 ft				
	Matrix:	SOIL		SOIL		SOIL		SOIL			
	Sampled:	Sep-11-14	Sep-11-14 10:25		0:30	Sep-11-14	10:45	Sep-11-14 11:00			
Percent Moisture	Extracted:										
	Analyzed:	Sep-15-14	17:05	Sep-15-14 17:05		Sep-15-14 17:05		Sep-15-14 17:05			
	Units/RL:	%	RL	%	RL	%	RL	%	RL		
Percent Moisture		8.51	1.00	22.1	1.00	35.8	1.00	12.6	1.00		
TPH By SW8015 Mod	Extracted:	Sep-15-14	14:00	Sep-15-14 1	Sep-15-14 14:00		Sep-15-14 14:00		4:00		
	Analyzed:	Sep-16-14	04:37	Sep-16-14 0	5:03	Sep-16-14 (	07:50	Sep-16-14 (	)8:54		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C12 Gasoline Range Hydrocarbons		332	16.3	235	19.2	38.7	23.4	ND	17.1		
C12-C28 Diesel Range Hydrocarbons		1210	16.3	652	19.2	149	23.4	27.0	17.1		
Total TPH		1540	16.3	887	19.2	188	23.4	27.0	17.1		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Julian Martinez Project Manager



# **Flagging Criteria**



- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- **E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.
- BRL Below Reporting Limit.
- RL Reporting Limit

MDL Method Detection Limit	SDL Sample Detection Limit	LOD Limit of Detection
PQL Practical Quantitation Limit	MQL Method Quantitation Limit	LOQ Limit of Quantitation

- **DL** Method Detection Limit
- NC Non-Calculable
- + NELAC certification not offered for this compound.
- (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	



# Form 2 - Surrogate Recoveries

## Project Name: Trunk "C" Drip Tank

Lab Batch #:	950664	Sample: 493219-010 / SMP	Batc	h: 1 Matrix	: Soll		
Units:	mg/kg	Date Analyzed: 09/16/14 02:26	SU	JRROGATE R	ECOVERY S	STUDY	
	TPH I	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorooctane			103	99.7	103	70-135	
o-Terphenyl			53.9	49.9	108	70-135	
Lab Batch #:	950664	Sample: 493219-012 / SMP	Batc	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 09/16/14 02:52	SU	JRROGATE R	ECOVERY	STUDY	
	TPH I	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage
1-Chlorooctane		Anaryus	102	99.6	102	70-135	
o-Terphenyl			51.4	49.8	102	70-135	
Lab Batch #:	950664	Sample: 493219-014 / SMP	Batc				
Units:	mg/kg	<b>Date Analyzed:</b> 09/16/14 03:18	st	JRROGATE R	ECOVERY	STUDY	
	TPH I	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage
		Analytes			[D]		
1-Chlorooctane			91.2	99.8	91	70-135	
o-Terphenyl			44.8	49.9	90	70-135	
Lab Batch #:	950664	Sample: 493219-015 / SMP	Batc	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 09/16/14 03:44	SU	JRROGATE R	ECOVERY S	STUDY	
	TPH I	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage
1-Chlorooctane		Anaryus	86.2	99.8	86	70-135	
o-Terphenyl			42.6	49.9	85	70-135	
Lab Batch #:	950664	Sample: 493219-017 / SMP	Batc				
	mg/kg	<b>Date Analyzed:</b> 09/16/14 04:11		JRROGATE R		STUDY	
	TPH I	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1.011		Analytes	10/				
1-Chlorooctane			104	99.8	104	70-135	
o-Terphenyl			48.8	49.9	98	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



# Form 2 - Surrogate Recoveries

## Project Name: Trunk "C" Drip Tank

Units:	maller	<b>Dete Applyzod:</b> $00/16/1404.27$	~		n a a transmission		
Units:	mg/kg	Date Analyzed: 09/16/14 04:37	SU	URROGATE R	ECOVERYS	STUDY	
	TPH ]	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorooctane	;		98.2	99.7	98	70-135	
o-Terphenyl			47.7	49.9	96	70-135	
Lab Batch #:	950664	Sample: 493219-019 / SMP	Bato	ch: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 09/16/14 05:03	SU	URROGATE R	ECOVERY	STUDY	
	TPH 1	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	<u>,</u>	Analytes	97.4	99.7	98	70-135	
o-Terphenyl			46.9	49.9	94	70-135	
Lab Batch #:	950664	Sample: 493219-020 / SMP	Bate		-	10 155	
Units:	mg/kg	Date Analyzed: 09/16/14 07:50		URROGATE R		STUDY	
TPH By SW8015 Mod		By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes	[]	[2]	[D]	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1-Chlorooctane	•		88.9	99.9	89	70-135	
o-Terphenyl			44.2	50.0	88	70-135	
Lab Batch #:	950664	Sample: 493219-021 / SMP	Bato	ch: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 09/16/14 08:54	SU	URROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		Analytes	102	99.9	102	70-135	
o-Terphenyl			51.3	50.0	102	70-135	
Lab Batch #:	950664	Sample: 661540-1-BLK / BL				/0 155	
Units:	mg/kg	<b>Date Analyzed:</b> 09/15/14 17:56		URROGATE R		STUDY	
	TPH ]	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage
		Analytes			[D]		
1-Chlorooctane	•		92.1	100	92	70-135	
o-Terphenyl			45.5	50.0	91	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



# Form 2 - Surrogate Recoveries

## Project Name: Trunk "C" Drip Tank

	rders: 49321 #: 950664	9, 493219 Sample: 661540-1-BKS / B	KS Bate		: 90307414G : Solid	050	
Units:	mg/kg	Date Analyzed: 09/15/14 18:23		JRROGATE R		STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorooc	tane		93.6	100	94	70-135	
o-Terpheny	1		54.2	50.0	108	70-135	
Lab Batch	<b>#:</b> 950664	Sample: 661540-1-BSD / B	SD Bate	h: 1 Matrix	: Solid		
Units:	mg/kg	Date Analyzed: 09/15/14 18:51	SU	JRROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorooc			117	100	117	70-135	
o-Terpheny			57.6	50.0	115	70-135	
Lab Batch	<b>#:</b> 950664	Sample: 493195-002 S / MS	S Bate	h: 1 Matrix	: Soil		
Units:	mg/kg	Date Analyzed: 09/15/14 20:13	SU	JRROGATE R	ECOVERY	STUDY	
	TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooc	tane	Anary (CS	100	99.8	100	70-135	
o-Terpheny			49.6	49.9	99	70-135	
1 2	#: 950664	Sample: 493195-002 SD / N	.,			/0-133	
Units:	mg/kg	Date Analyzed: 09/15/14 20:41		JRROGATE R		STUDY	
	TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
		Analytes			[D]		
1-Chlorooc			98.8	99.8	99	70-135	
o-Terpheny	1		50.1	49.9	100	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



### **BS / BSD Recoveries**



#### **Project Name:** Trunk "C" Drip Tank

Work Order #: 493219, 493219							Proj	ject ID:	90307414G	050	
Analyst: JUM	D	ate Prepar	ed: 09/16/20	14			Date A	nalyzed: (	09/16/2014		
Lab Batch ID: 950841 Sample: 661589-1	-BKS	Batcl	<b>h #:</b> 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK	SPIKE / ]	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	DY	
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	52.6	105	50.0	47.0	94	11	80-120	20	
Analyst: ARM		ata Duanau	ad. 00/15/20	Date Analyzed: 09/15/2014							
Analyst: ARM	D	ate Prepar	ed: 09/15/20	14			Date A	naryzeu.	09/13/2014		
Lab Batch ID:         950664         Sample:         661540-1		_	h #: 1	14				Matrix: S			
		Batcl	h#: 1		BLANK S	SPIKE DUP		Matrix: S	Solid	DY	
Lab Batch ID: 950664 Sample: 661540-1		Batcl	h#: 1		BLANK S Spike Added [E]	SPIKE DUP Blank Spike Duplicate Result [F]		Matrix: S	Solid	OY Control Limits %RPD	Flag
Lab Batch ID: 950664 Sample: 661540-1 Units: mg/kg TPH By SW8015 Mod	-BKS Blank Sample Result	Batcl BLAN Spike Added	h #: 1 K /BLANK Blank Spike Result	SPIKE / ] Blank Spike %R	Spike Added	Blank Spike Duplicate	LICATE Blk. Spk Dup. %R	Matrix: S RECOV	Solid ERY STUI Control Limits	Control Limits	Flag

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

XENCO Laboratories Projec	Form 3 - MS t Name: Trunk "C				A BORK	Some Some
Work Order #: 493219         Lab Batch #:       950841         Date Analyzed:       09/16/2014         QC- Sample ID:       493195-001 S         Reporting Units:       mg/kg	Date Prepared: 09/16 Batch #: 1 MATR		A	Analyst: J Matrix: S	Soil	
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride Lab Batch #: 950841	482	1010	1430	94	80-120	
Date Analyzed:         09/17/2014           QC- Sample ID:         493326-002 S	<b>Date Prepared:</b> 09/16 <b>Batch #:</b> 1	5/2014		Analyst: J Matrix: S		
Reporting Units: mg/kg Inorganic Anions by EPA 300 Analytas	MATR Parent Sample Result [A]	XIX / MA Spike Added [B]	TRIX SPIKE Spiked Sample Result [C]	RECO %R [D]	VERY STU Control Limits %R	Flag
Analytes Chloride	263	5000	4690	89	80-120	



### Form 3 - MS / MSD Recoveries

### **Project Name: Trunk "C" Drip Tank**



Work Order # :	493219						Project 1	<b>D:</b> 90307	414G050			
Lab Batch ID:	950664	QC- Sample ID:	493195	-002 S	Ba	tch #:	1 Matr	ix: Soil				
Date Analyzed:	09/15/2014	Date Prepared:	09/15/2	014	An	alyst: A	ARM					
<b>Reporting Units:</b>	mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	ATE REC	OVERY	STUDY		
]	FPH By SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Sample	-	Duplicate Spiked Sampl	-	RPD	Control Limits	Control Limits	Flag
	Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
C6-C12 Gasoline	e Range Hydrocarbons	<16.1	1070	879	82	1070	880	82	0	70-135	35	
C12-C28 Diesel	Range Hydrocarbons	<16.1	1070	998	93	1070	1010	94	1	70-135	35	

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

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





### **Project Name: Trunk "C" Drip Tank**

Work Order #: 493219

Lab Batch #: 950675			Project I	<b>D:</b> 9030741	4G050
<b>Date Analyzed:</b> 09/15/2014 17:05 <b>Date Prepar</b>	red: 09/15/2014	4 Anal	lyst:WRU		
<b>QC- Sample ID:</b> 493219-004 D <b>Batc</b>	<b>h #:</b> 1	Mat	rix: Soil		
Reporting Units: %	SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Percent Moisture	9.06	9.19	1	20	
Lab Batch #: 950675					
<b>Date Analyzed:</b> 09/15/2014 17:05 <b>Date Prepar</b>	red: 09/15/2014	4 Anal	lyst:WRU		
<b>QC- Sample ID:</b> 493219-010 D Bate	<b>h #:</b> 1	Mat	rix: Soil		
Reporting Units: %	SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	18.8	19.1	2	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 Apex TITAN, Inc. • 505 N. Big Springs Drive, Suite 301A • Midland, Texas 79701 • Office: 432-695-6016

Ladoratory:     X_exce     Analysis       Contact:     Phone:     Phone:       Project Name     Sample's Signature     Nortgae of Containers       Project Name     Nortgae of Containers     Sample's Signature       Project Name     Sample's Signature     Nortgae of Containers       Sample's Signature     Nortgae of Containers     Sample's Signature       Sample's Signature     Sample's Signature     Sample's Signature       Date:     Time:     Received by: (Signature)     Date:       Date:     Time:     Received by: (Signature)     Date:     Time:	O - Oji	SL - sludge	C - Charcoal tube P/O - Plastic or other		D - Solid L - Liquid A - Air Bag ter 250 ml - Glass wide mouth	W - Water S - Soil SD - Solid A/G - Amber / Or Glass 1 Liter	W - Water A/G - Ambe	WW - Wastewater VOA - 40 ml vial	Matrix Container
Mad     TX     Contact:     Address:     Address:			Time:	Date:	Received by: (Signature)		Date:	Relinquished by (Signature)	Relinquished
Laboratory:     Xexce     Andress:       Address:     Phone:       Project Name     PO/SO #:       Sampled's Signature     Not/per of Containers       Recuest result     PO/SO #:       Image:     Travel ('.'. bright Table 1')       Project Name     Not/per of Containers       Recuest result     Recuest result			Time:	Date:	Received by: (Signature)		Date:	Relinquished by (Signature)	Relinquished
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Midlad     T     Laboratory:     Xence     Analysis       Address:     Address:     Address:     Address       Thomes     Frondulin     Phone:     Phone:       Phone:     Phone:     Phone:     Phone:       Pol/SO #:     V     V       NoType of Containers     A       P     B     Identifying Marks of Sample(s)       Stateth     A       P     A       Imme     G       G     G       Imme     G       Identifying Marks of Sample(s)     Stateth       A     A       Identifying Marks of Sample(s)     Stateth	493219			F			-	9-10-14 10:00	S 9-1
Midland     TX     Laboratory:     Xence     Analysis       Address:	Lab Sample ID (Lab Use Only)			1 Lt. 250 ml Glass Jar	Start Depth End Depth VOA	ng Marks of Sar		Date Time p	Matrix Da
Malaad     Taboratory:     Xarce     Analysis       Address:			ride	e of Containers Glass	blank	r.	1	050	70307146
M.dland     T     Laboratory:     Xence     Analysis       M.dland     T     Address:     Address:     Address       Contact:     Phone:     Phone:     Phone:       Sampler's Signature     Sampler's Signature     Analysis					the C'LLL:	_		Frankli	Thomas
Midland     Tx     Laboratory:     Xenco     Analysis       Address:		/ / /			's Signature	Sample		Name	Sampler's Name
Midhad     TX     Laboratory: Xence     ANALYSIS       Address:     Address:     REQUESTED       Phone:     Phone:     Phone:		/ /			O #:	PO/S		N	Project Manager
Midland TX Laboratory: Xence ANALYSIS Address: Contact:	of V				<u>e</u>	Phon			
M.U. J. TX Laboratory: Xence ANALYSIS Address:Address:	2				act:	Conta			
Xenco ANALYSIS REQUESTED	Temp. of coolers				:SS6	Addre	X	CAL	Office I ocation
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Page 16 of 19

·Oil	SL - sludge O - Oil	C - Charcoal tube P/O - Plastic or other		L - Liquid A - Air Bag 250 ml - Glass wide mouth	Liquid 250 ml - Glas		W - Water S - Soil SD - Solid A/G - Amber / Or Glass 1 Liter	W - Water A/G - Amb	aler	WW - Wastewater VOA - 40 ml vial		Matrix Container
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Apex TITAN, Inc. • 505 N. Big Springs Drive, Suite 301A • Midland, Texas 79701 • Office: 432-695-6016

	dge O - Oil	SL - sludge er	C - Charcoal tube P/O - Plastic or other_		L - Liquid A - Air Bag 250 ml - Glass wide mouth		W - Water S - Soil SD - Solid A/G - Amber / Or Glass 1 Liter	W - Water A/G - Amb	WW - Wastewater VOA - 40 ml vial	WW - W VOA - 4	Matrix Container
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Page 3 of 3		<u> </u>	1			<u>.</u>	Phone:				
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CHAIN OF CUSTODY RECORD											]

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### **XENCO Laboratories** Prelogin/Nonconformance Report- Sample Log-In



Client: APEX/Titan	Acceptable Temperature Range: 0 - 6 degC
Date/ Time Received: 09/12/2014 12:42:00 PM	Air and Metal samples Acceptable Range: Ambient
Work Order #: 493219	Temperature Measuring device used :
Sample Recei	ot Checklist Comments
#1 *Temperature of cooler(s)?	4.5
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	No
#5 Custody Seals intact on sample bottles?	No
#6 *Custody Seals Signed and dated?	No
#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 b	bubble)? No
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	No
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnA	c+NaOH? No

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

Analyst:

PH Device/Lot#:

Date: 09/12/2014

Checklist completed by: Mms Moah Kelsey Brooks Checklist reviewed by: Mms Moah Kelsey Brooks

Date: 09/15/2014



APPENDIX E

Initial and Final C-141

**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**

	<b>OPERATOR</b>	Initial Report	Final Report
Name of Company: Regency Field Services LLC.	Contact: Crystal Callaway		
Address: 421 W. 3 rd Street, Suite 250, Ft. Worth, TX 76102	Telephone No.: 817-302-9407		
Facility Name: Trunk "C" Drip Tank Battery #16	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
М	6	26S	37E					Lea

Latitude 32.065446 Longitude -103.206583

#### NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: Unknown		overed: Unknown
Source of Release: Storage Tanks	Date and Hour of Occurrence:	Date and Ho	our of Discovery: Unknown
	Unknown		
Was Immediate Notice Given?	If YES, To Whom?		
🗌 Yes 🛛 No 🗌 Not Required			
By Whom?	Date and Hour		
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	tercourse.	
🗌 Yes 🖾 No			
If Weterstein Describe Fully *			
If a Watercourse was Impacted, Describe Fully.*			
Describe Cause of Problem and Remedial Action Taken.*		· · · · · · · · · · · · · · · · · · ·	
At an unknown date and time the above ground storage tanks at the Trunk	"C" Drip Tank Battery #16 failed can	using a leak.	
	· · · · · · · · · · · · · · · · · · ·		
Describe Area Affected and Cleanup Action Taken.*			
	( 11	<b>F</b> actorian (	-1 := 2012 immented motorial
The drip tank facility has been removed from the current location. The sit	te was reportedly remediated by Basir	a Environment	al in 2013, impacted material
was excavated and transported to Sundance for proper disposal. The exca 2014 Apex personnel installed three (3) soil borings in order to vertically	delineate the impact. Resed on the in	formation prov	ided by Basin Environmental
and the information collected by Apex personnel, the site has been determ	ined to meet NMOCD regulatory star	ionnation prov	fided by Basin Environmental
and the information confected by Apex personnel, the site has been determined	lined to meet NWOOD regulatory star	idards.	
I hereby certify that the information given above is true and complete to the	he best of my knowledge and understa	and that pursua	ant to NMOCD rules and
regulations all operators are required to report and/or file certain release n	otifications and perform corrective ac	tions for releas	ses which may endanger
public health or the environment. The acceptance of a C-141 report by the	e NMOCD marked as "Final Report"	does not reliev	e the operator of liability
should their operations have failed to adequately investigate and remediat	e contamination that pose a threat to g	ground water, s	surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report d	oes not relieve the operator of respon	sibility for con	pliance with any other
federal, state, or local laws and/or regulations.			
	OIL CONSERV	<u>VATION E</u>	DIVISION
a la stell ( allou al			
Signature: Mole allow of			
Printed Name: (Wath Childrend	Approved by Environmental Speciali	st:	
Finned Wante. W WERKI WWWWWW			
Title: SK- GNV Remediation Speci	Approval Date:	Expiration Da	ate:
Time. The control of the second			
E-mail Address: CNSK - CKLLALAY Cheoproy G/S.C.	Conditions of Approval:		Attached
			Attached
Date: 12/29/14 Phone: 81/-807-6314			
Attach Additional Sheets If Necessary			

Attach Additional Sheets If Necessary

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.	Contact: Crystal Callaway		
Address: 421 W. 3rd Street, Suite 250, Ft. W	t, Suite 250, Ft. Worth, TX 76102 Telephone No.: 817-302-9407			
Facility Name: Trunk "C" Drip Tank Batter	y #16 (#1RP-3487)	Facility Type: Natural Gas Gathe	ering	
Surface Owner	Mineral Owner	r	API No.	

#### LOCATION OF RELEASE

M 6 268 2	Range Feet from the 37E	North/South Line	Feet from the	East/West Line	County Lea

Latitude 32.065446 Longitude -103.206583

#### NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: Unknown	Volume Re	covered: Unknown	
Source of Release: Storage Tanks	Date and Hour of Occurrence:	Date and H	lour of Discovery: Unknown	
	Unknown			
Was Immediate Notice Given?	If YES, To Whom?			
Yes X No Not Required				
By Whom?	Date and Hour			
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.			
🗌 Yes 🖾 No				
If a Watercourse was Impacted, Describe Fully.*				
n a macrosarse was impacted, Describe i any.				
Describe Cause of Problem and Remedial Action Taken.*				
At an unknown date and time the above ground storage tanks at the Trunk "C" Drip Tank Battery #16 failed causing a leak.				
Describe Area Affected and Cleanup Action Taken.*				
Describe Area Affected and Cleanup Action Taken.*				
The drip tank facility has been removed from the current location. The site was reportedly remediated by Basin Environmental in 2013, impacted material				
was excavated and transported to Sundance for proper disposal. The excavation was lined and backfilled but not vertically delineated. In September of				
2014 Apex personnel installed three (3) soil borings in order to vertically delineate the impact. Based on the information provided by Basin Environmental				
and the information collected by Apex personnel, the site has been determined to meet NMOCD regulatory standards.				
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and				
regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger				
public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability				
should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health				
or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other				
federal, state, or local laws and/or regulations.				
1.1/100	OIL CONSERV	OIL CONSERVATION DIVISION		
Signature: Mintal allance				
Printed Name: Criffian (ALLANAL)	Approved by Environmental Specialist:			
Title: MoUNICOnnerted Conedator Spet	Approval Date:	Expiration D	ate:	
E-mail Address; AUSTA . CALLAND (Speeprcyg/AS.C)	Conditions of Approval:		Attached	
			Attached	
Date: 15 15 Phone: 7-8/7-6/4				

* Attach Additional Sheets If Necessary