REMEDIATION SUMMARY & SOIL CLOSURE REQUEST

Property:

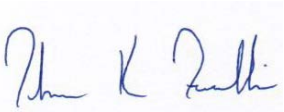
REGENCY FIELD SERVICES LLC.
Trunk M-2 Drip Tank
Historical Release Site
Lea County, New Mexico
Unit Letter "G", Section 31, Township 23 South, Range 37 East
Latitude 32.263963, Longitude -103.199587
1RP-1819

January 2015
Apex Project No. 7030714G043

Prepared for:

Regency Field Services LLC
421 West 3rd Street, Suite 250
Fort Worth, TX 76102
Attn: **Ms. Crystal Callaway, BSN, RN, CHMM**

Prepared by:



Thomas Franklin
Project Manager

Liz Scaggs, P.G.
Senior Technical Review

TABLE OF CONTENTS

APPENDICES

REMEDIATION SUMMARY & SOIL CLOSURE REQUEST

REGENCY FIELD SERVICES LLC.
Trunk M-2 Drip Tank
Historical Release Site
Lea County, New Mexico
Unit Letter "G", Section 31, Township 23 South, Range 37 East
Latitude 32.263963, Longitude -103.199587

January 2015
Apex Project No. 7030714G043

1.0 INTRODUCTION

1.1 Site Description & Background

Apex TITAN, Inc. (Apex) has prepared this Remediation Summary and Soil Closure Request for the Regency Field Services, LLC (Regency) Trunk M-2 Drip Tank (referred to hereinafter as the "Site" or "subject Site"). Remedial actions were reportedly conducted 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.

The Trunk M-2 Drip Tank is located off of Deep Wells Road, south of Eunice, New Mexico (GPS 32.263963, -103.199587). According to documentation provided by Basin Environmental Service Technologies, LLC. (Basin), the below-grade tank (BGT) was permitted by the operator at the time, Southern Union Gas, to the New Mexico Oil Conservation Division (NMOCD) in March of 2008. The NMOCD C-144 form indicated a closure plan for a 210 barrel, BGT. Regency Field Services, LLC. has subsequently acquired this site.

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

1.2 Project Objective

The objective of the Remediation Summary and Soil Closure Request is to present documentation of the activities that were performed to date and to request closure of the site.

1.3 Standard of Care

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

1.4 Reliance

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

2.0 SITE RANKING & PROPOSED REMEDIAL ACTION GOALS

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

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

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

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

- The depth to the initial groundwater-bearing zone is greater than 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 M-2 Drip Tanks and associated equipment were removed by the previous operator, Southern Union Gas Services (SUG). On March 25, 2008 SUG conducted an initial investigation at the Site. During the investigation, samples were collected from depths up to seventeen (17) feet below grade surface (bgs). The soil samples were submitted for laboratory analysis which did not detect elevated concentrations where the former above ground storage tanks were located. The Soil Analytical Summary Table as provided by SUG is located in Appendix B as Table 1.

3.2 Excavation Activities

Excavation remediation activities were conducted by Basin and began on March 15, 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 one hundred and twenty (120) feet in length, seventy (70) feet in width and twelve (12) to fifteen (15) feet in depth as shown on Figure 4, Appendix A. Approximately six thousand, five hundred thirty six (6,536) cubic yards (yd^3) of impacted soil was transported to Sundance Services Inc. for proper disposal. The manifests are provided in Appendix E. 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). One area exceeded the NMOCD clean-up goals as discussed in Section 2.0 above. The Middle Excavation sample exceeded chloride regulatory levels with a result of 1,170 mg/Kg at fifteen (15) feet bgs. The impacted soil at the Site was not vertically defined for chlorides in this area.

3.4 Drilling Activities

Apex personnel supervised soil boring activities in the area that was not previously vertically delineated. On October 21, 2014; Mr. Thomas Franklin, was present to observe on-Site activities and to collect soil samples. Two soil borings (SB-1 and SB-2) as shown in Figure 4, were installed to depths of twenty (20) feet bgs and forty (40) feet bgs, respectively. Samples were collected and field screened for chlorides and hydrocarbons.

3.5 Drilling Confirmation Soil Sampling Program

Two (2) soil samples were collected from soil boring SB-1 by Apex personnel and analyzed for TPH and chlorides as shown in Appendix B, Table 3. The analytical sample results were below the NMOCD regulatory levels. Five (5) soil samples were collected from soil boring SB-2 and analyzed for TPH and chlorides. Elevated chloride concentrations were found at depths down to thirty (30) feet bgs, with the highest concentration of 340 mg/Kg at twenty (20) feet. The chloride concentrations declined to 243 mg/Kg at forty (40) feet bgs, which vertically delineated the chloride to below the NMOCD Guideline.

4.0 LABORATORY ANALYTICAL METHODS

Soil 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 analytical reports 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.

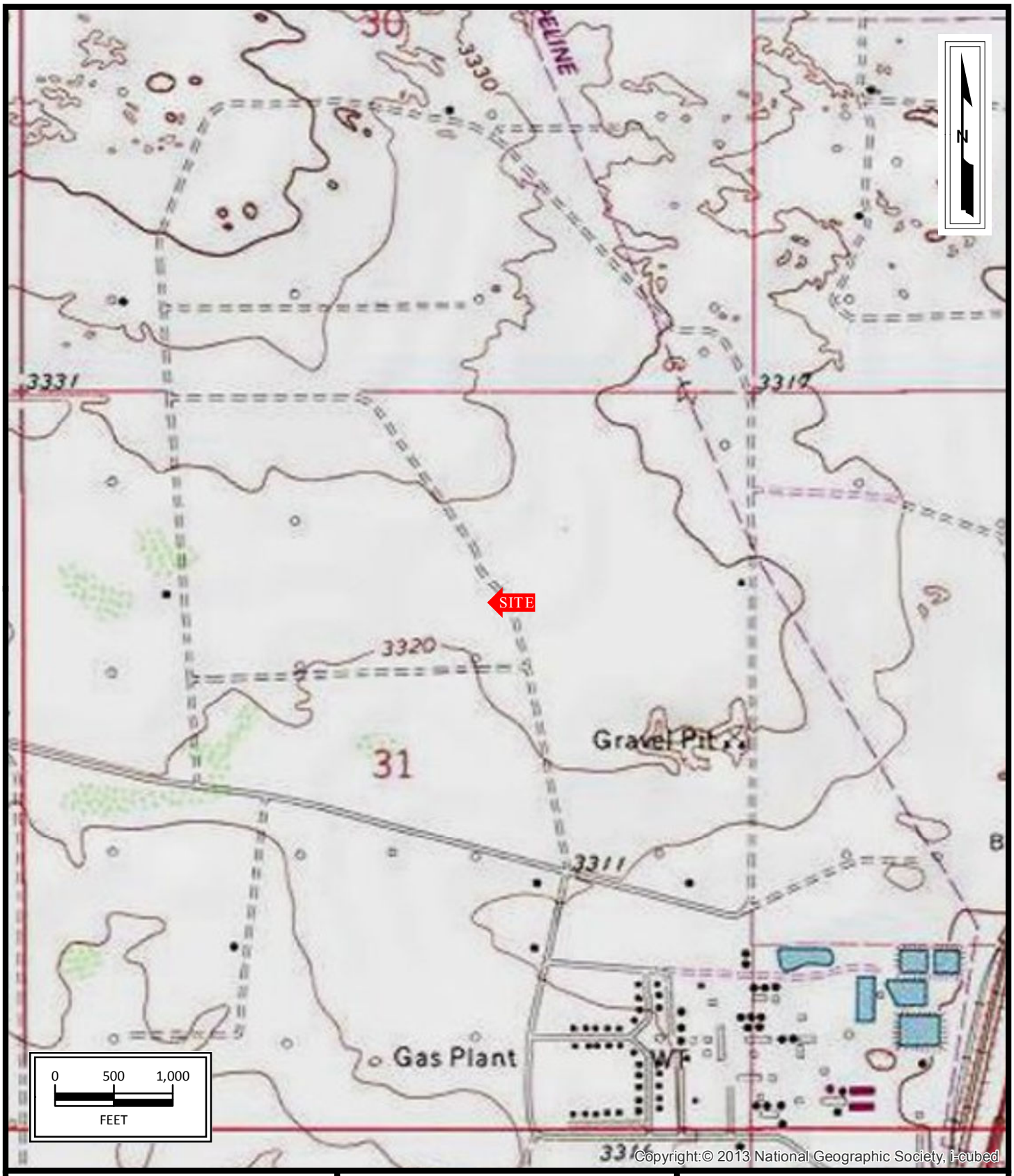
Figure 3 is a Site plan that indicates the approximate location of the confirmation soil samples, test trench and soil borings in relation to pertinent land features and general Site boundaries.

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-144 are provided in Appendix F.

APPENDIX A

Figures



Regency - Trunk M-2 Drip Tanks
Lea County, New Mexico
32.263963N, 103.199587W

Project No. 7030714G043.001

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

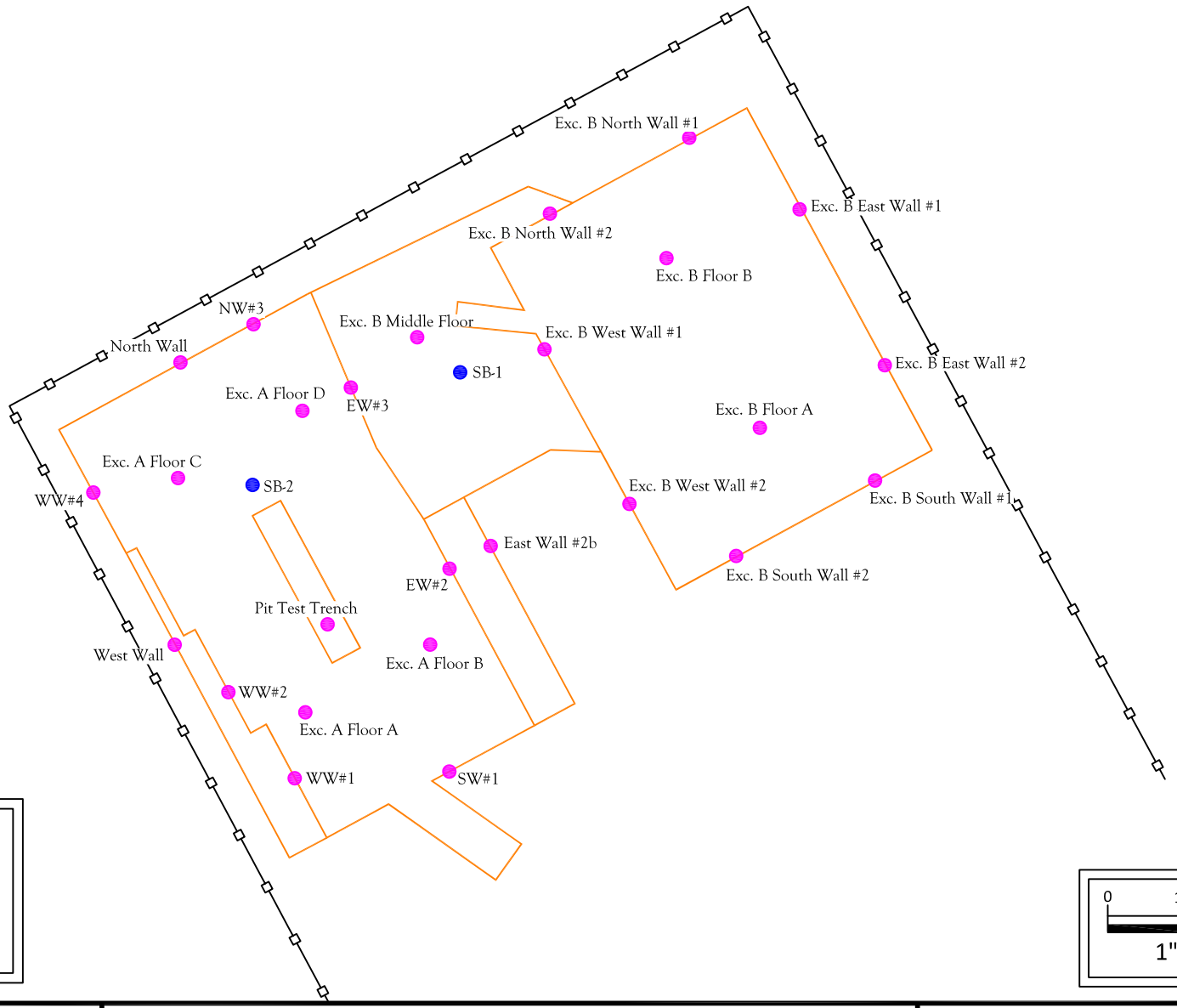
FIGURE 1
Topographic Map
Rattlesnake Canyon, NM
Quadrangle
1969

Regency - Trunk M-2 Drip Tanks
Lea County, New Mexico
32.263963N, 103.199587W

Project No. 7030714G043.001

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

FIGURE 2
Site Vicinity Map



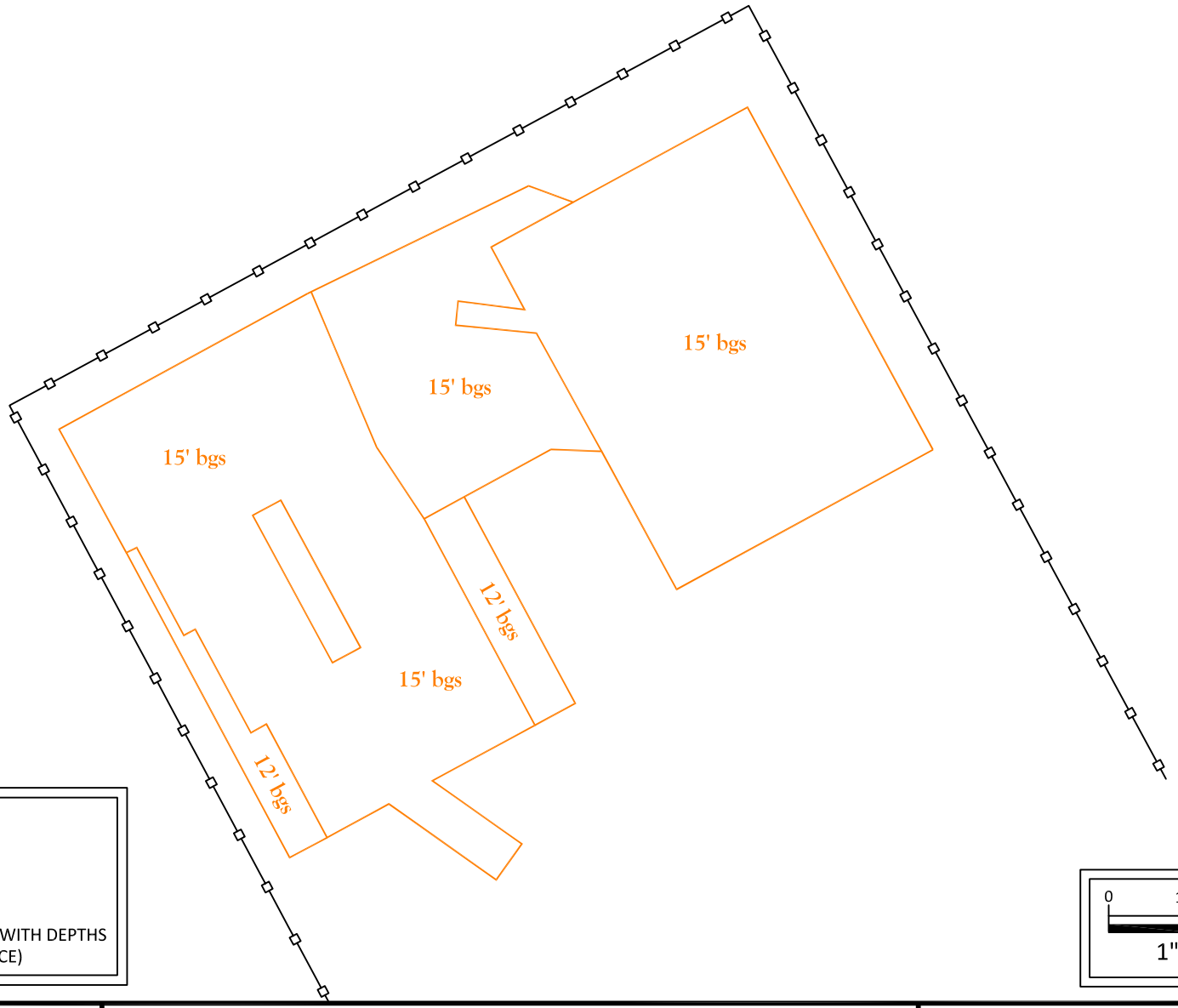
Regency - Trunk M-2 Drip Tanks
Lea County, New Mexico
32.263963N, 103.199587W

Project No. 7030714G043.001

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

FIGURE 3
Site Map with Sample points

Z:\Houston South\Drafting\Midland 07\2014\7030714G043\Figure 3.dwg 01/14/15



Regency - Trunk M-2 Drip Tanks
Lea County, New Mexico
32.263963N, 103.199587W

Project No. 7030714G043.001

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

FIGURE 4
Site Map with Excavation Depths

Z:\Houston South\Drafting\Midland 07\2014\7030714G043\Figure 3.dwg 01/14/15

APPENDIX B

Soil Analytical Results

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
TRUNK M#2 DRIP TANKS
HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE# 1RP-1819

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C_6-C_{28} (mg/Kg)	EPA: 300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	ORO C_{28}-C_{35} (mg/Kg)		CHLORIDE (mg/Kg)
Seperator Stain Surface	Surface	3/25/2008	N/A	0.0013	0.0043	0.0021	0.0082	0.0159	<15.2	2,810	1,410	4220	517
Seperator Stain 9ft. BGS	9'	3/25/2008	N/A	<0.0011	<0.0022	0.0103	0.043	0.0533	72.5	894	269	1235.5	371
Tank Vent Stain Surface	Surface	3/25/2008	N/A	<0.0010	<0.0020	0.0011	0.0043	0.0054	<15.2	91.5	85.4	176.9	21.5
Tank Vent Stain 30in. BGS	2.5'	3/25/2008	N/A	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<15.3	299	278	577	87.0
Gate Stain Surface	Surface	3/25/2008	N/A	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<15.1	268	301	569	21.4
Gate Stain 16 in. BGS	16"	3/25/2008	N/A	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.5	37.9	<15.5	37.9	43.9
Center Pit Surface	Surface	3/25/2008	N/A	<0.0010	0.0124	0.0078	0.0479	0.0681	30.9	208	204	442.9	21.4
Center Pit 7ft. BGS	7'	3/25/2008	N/A	<0.0011	0.0104	0.0355	0.0473	0.0681	136	1,280	346	1762	92.6
Center Pit 17ft. BGS	17'	3/25/2008	N/A	<0.0011	0.0311	0.0675	0.1245	0.6602	295	1,210	273	1778	253
Chloride Baseline	N/A	3/25/2008	N/A	-	-	-	-	-	-	-	-	-	157
NMOCD Standard				**10**				**50**				**5,000**	**1,000**

- = Not analyzed.

TABLE 2

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
TRUNK M#2 DRIP TANKS
HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCD REF# 1RP-1819

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C_6-C_{28} (mg/Kg)	4500 Cl-B
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	ORO C_{28}-C_{35} (mg/Kg)		CHLORIDE (mg/Kg)
SW#1	12'	3/15/2013	In-Situ	-	-	-	-	-	<10.0	482	103	585	144
WW#1	12'	3/15/2013	Excavated	-	-	-	-	-	<10.0	<10.0	10.5	10.5	64.0
WW#2	12'	3/15/2013	Excavated	-	-	-	-	-	<10.0	362	107	469	128
WW#4	12'	3/15/2013	In-Situ	-	-	-	-	-	<10.0	322	65.7	387.7	96.0
EW#2	12'	3/15/2013	Excavated	-	-	-	-	-	61.6	4,660	1,040	**5,762**	96.0
EW#3	12'	3/15/2013	Excavated	-	-	-	-	-	<10.0	38.8	30.7	69.5	**256**
NW#3	12'	3/15/2013	In-Situ	-	-	-	-	-	10.0	483	98.3	591.3	96.0
Stockpile	N/A	3/15/2013	Backfill	-	-	-	-	-	<10.0	57.4	37.5	94.9	48.0
Strip Sand	N/A	3/15/2013	Backfill	-	-	-	-	-	<50.0	<50.0	<50.0	<50.0	48.0
Pit Test Trench @ 24'	24'	4/2/2013	In-Situ	<0.050	0.122	0.397	1.42	1.94	144.0	455.0	54.1	653.1	224.0
Pit Test Trench @ 29'	29'	4/2/2013	In-Situ	<0.050	0.052	0.155	0.632	0.840	70.9	263.0	33.7	367.6	240.0
Exc. B Middle Floor	2'	4/3/2013	Excavated	-	-	-	-	-	<50.0	108	208	316	160
Exc. B East Wall #1	14'	4/3/2013	In-Situ	-	-	-	-	-	<10.0	368	57.6	425.6	160
Exc. B East Wall #2	14'	4/3/2013	Excavated	-	-	-	-	-	<10.0	140	25.5	165.5	**1,250**
Exc. B West Wall #1	14'	4/3/2013	Excavated	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	**592**
Exc. B West Wall #2	14	4/3/2013	Excavated	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	432
Exc. B North Wall #1	14'	4/3/2013	Excavated	-	-	-	-	-	122	1,200	149	1,471	**928**
Exc. B North Wall #2	14	4/3/2013	Excavated	-	-	-	-	-	<10.0	289	43.1	332.1	**944**
Exc. A North Wall	12'	4/3/2013	In-Situ	-	-	-	-	-	24.7	535	78.2	637.9	432
Exc. A West Wall	12'	4/3/2013	In-Situ	-	-	-	-	-	<10.0	241.0	48.8	289.8	128
East Wall #2 B	12'	04/05/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.1	<10.0	23.1	48.0
Exc. A Floor A	15'	04/05/13	Capped	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	247	46.3	293.3	144
Exc. A Floor B	15'	04/05/13	Capped	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	232	61.1	171	64.0
Exc. A Floor C	15'	04/05/13	Capped	<0.050	<0.050	0.262	0.827	1.09	97.6	541	76.1	714.7	48.0
Exc. A Floor D	15'	04/05/13	Capped	<0.050	1.09	2.49	8.31	11.9	603	1,160	140	1,903	304
Exc. B South Wall #1	14'	04/05/13	Excavated	<0.050	<0.050	0.058	<0.150	<0.300	<10.0	382	133	515	208
Exc. B South Wall #2	14'	04/05/13	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	305	107	412	**1,040**
Exc. B Floor A	15'	04/05/13	Capped	<0.050	4.21	5.62	23.9	33.7	1,680	1,750	223.0	3,653	224
Exc. B Floor B	15'	04/05/13	Capped	<0.050	0.057	0.108	0.350	0.516	13.9	356.0	56.3	426.2	320
Exc. B South Wall #2b	14'	04/10/13	In-Situ	<0.050	<0.050	<0.050	0.217	0.217	52.5	573	73.2	698.7	80.0
Exc. B South Wall #1b	14'	04/10/13	In-Situ	<0.050	<0.050	<0.050	0.212	0.212	55.3	727	113	895.3	256
Exc. B East Wall #3	14'	04/10/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	224	44.9	268.9	160
Exc. B West Wall #3	14'	04/10/13	Excavated	<0.050	<0.050	0.319	1.30	1.62	132	853	124	1,109	48.0
Middle Exc. East Floor	15'	04/11/13	Capped	<0.050	<0.050	0.095	0.273	0.368	59.0	785	109	953	**1,170**
Middle Exc. West Floor	15'	04/11/13	Capped	<0.050	<0.050	0.121	0.449	0.570	73.2	817	106	996	**1,040**
Middle Exc. North Wall #1	14'	04/11/13	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	78.9	19.2	98.1	**1,090**
Middle Exc. Stockpile	N/A	04/11/13	Disposed	-	-	-	-	-	52.1	1,010	147	1,209.1	**1,140**
4-18-13 Stockpile	N/A	04/18/13	Backfill	-	-	-	-	-	11.1	219	46.2	276.2	256
4-25-13 Middle Exc Stockpile	N/A	04/25/13	Backfill	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	53.0	21.3	74.3	64.0
4-25-13 Sand Stockpile	N/A	04/25/13	Backfill	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.9	29.2	77.1	48.0
Exc. A. North Wall #1b	14'	04/26/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	21.6	125.6	96.0
Exc. A East Wall #3b	14'	04/26/13	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
Exc. B. North Wall #1b	14'	04/26/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	89.9	16.6	106.5	160
Exc. B. North Wall #2b	14'	04/26/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
Exc. B. East Wall #2b	14'	04/26/13	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	69.2	15.5	84.7	48.0
Middle Exc. South Wall #1	14'	04/26/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
Middle Floor Drill Location	15'	04/26/13	Capped	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	161	65.9	226.9	**288**
BGT South Wall	16'	04/26/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
BGT Floor	18'	04/26/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
Middle Exc. N Wall #1A	14'	05/02/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
Middle Exc. N Wall #2	14'	05/02/13	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
NMOCD Standard				**10**				**50**				**5,000**	**250**

- = Not analyzed.

TABLE 3
REGENCY - TRUNK M2 DRIP TANK
ANALYTICAL RESULTS

Sample ID	Date	Sample Depth (feet)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	Total BTEX (mg/Kg)	TPH (DRO) (mg/Kg)	TPH (GRO) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
NMOCD - *Guidelines for Remediation of Leaks, Spills and Releases*			***10***	**NE**	**NE**	**NE**	***50***	**NE**		***5,000***	***250***
SOIL BORINGS											
SB-1	10/21/2014	14-15'	NE	NE	NE	NE	NE	380	6.95	386.95	237
SB-1	10/21/2014	19-20'	NE	NE	NE	NE	NE	378	13	391	194
SB-2	10/21/2014	14-15'	NE	NE	NE	NE	NE	1960	2680	4640	**291**
SB-2	10/21/2014	19-20'	NE	NE	NE	NE	NE	1430	2750	4180	**340**
SB-2	10/21/2014	24-25'	NE	NE	NE	NE	NE	1050	278	1328	**340**
SB-2	10/21/2014	29-30'	NE	NE	NE	NE	NE	578	48.40	626.40	**291**
SB-2	10/21/2014	39-40'	NE	NE	NE	NE	NE	1130	127	1257	243

mg/Kg- milligrams per Kilograms

NE - Not Established

Concentrations in Bold and Highlighted exceed the NMOCD Guidelines

APPENDIX C

Photos

Trunk M-2 Drip Tanks

Start of Excavation

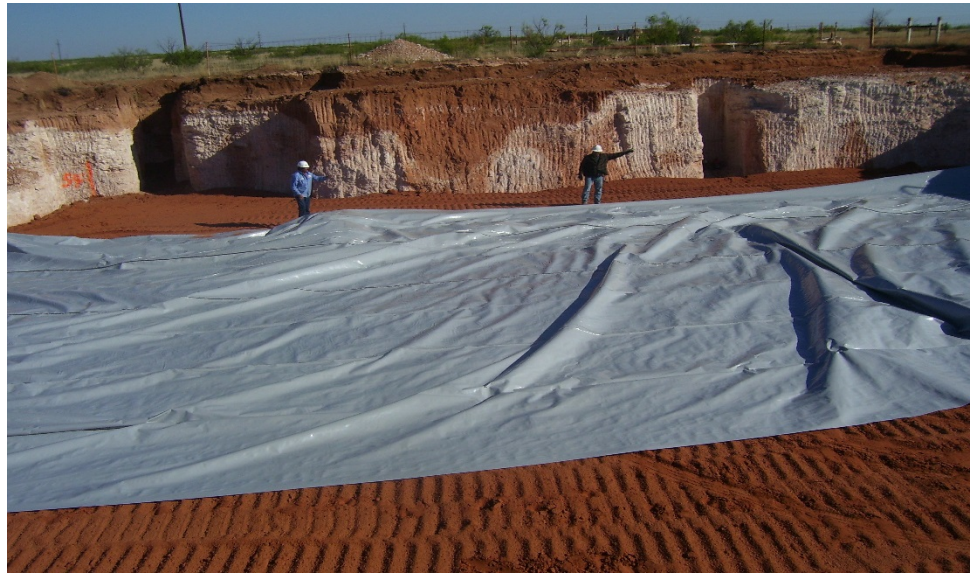
Area of Excavation

Area of Excavation

Excavated Depth

Excavated Depth

Backfill before Liner Installation



Liner Installation

Liner Installation

Backfill on top of Liner

Backfill and Conduit

Backfill and Conduit

Backfill and Conduit

Present Day with some regrowth

Present Day with some regrowth

APPENDIX D

Laboratory Data Reports & Chain-of-Custody Documents

Analytical Report 300330

for

Southern Union Gas Services-Jal

Project Manager: Tony Savoie

Trunk M # 2 Drip Tanks

BGT - 003

01-APR-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

01-APR-08

Project Manager: **Tony Savoie**
Southern Union Gas Services-Jal
610 Commerce
Jal, NM 88252

Reference: XENCO Report No: **300330**
Trunk M # 2 Drip Tanks
Project Address:

Tony Savoie:

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 300330. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 300330 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 300330

Southern Union Gas Services-Jal, Jal, NM

Trunk M # 2 Drip Tanks

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Separator Stain Surface	S	Mar-25-08 15:10		300330-001
Separator Stain 9ft. BGS	S	Mar-25-08 15:15		300330-002
Tank Vent Stain Surface	S	Mar-25-08 15:30		300330-003
Tank Vent Stain 30in. BGS	S	Mar-25-08 15:35		300330-004
Gate Stain Surface	S	Mar-25-08 15:55		300330-005
Gate Stain 16ip. BGS	S	Mar-25-08 16:00		300330-006
Center Pit Surface	S	Mar-25-08 13:50		300330-007
Center Pit 7ft. BGS	S	Mar-25-08 16:05		300330-008
Center Pit 17ft BGS	S	Mar-25-08 16:10		300330-009
Chloride Baseline	S	Mar-25-08 15:45		300330-010

Certificate of Analysis Summary 300330

Southern Union Gas Services-Jal, Jal, NM

Project Name: Trunk M # 2 Drip Tanks

Project Id: BGT - 003
Contact: Tony Savoie
Project Location:

Date Received in Lab: Wed Mar-26-08 09:00 am
Report Date: 01-APR-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	300330-001		300330-002		300330-003		300330-004		300330-005		300330-006	
	Field Id:	Separator Stain Surface		Separator Stain 9ft. BGS		Tank Vent Stain Surface		Tank Vent Stain 30in. BGS		Gate Stain Surface		Gate Stain 16ip. BGS	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-25-08 15:10		Mar-25-08 15:15		Mar-25-08 15:30		Mar-25-08 15:35		Mar-25-08 15:55		Mar-25-08 16:00	
BTEX by EPA 8021B	***Extracted:***	Apr-01-08 09:00		Mar-28-08 10:10		Mar-28-08 10:10		Mar-28-08 10:10		Mar-28-08 10:10		Mar-28-08 10:10	
	Analyzed:	Apr-01-08 12:13		Mar-28-08 17:36		Mar-28-08 17:54		Mar-28-08 18:12		Mar-28-08 18:30		Mar-28-08 18:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0.0013	0.0010	ND	0.0011	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Toluene		0.0043	0.0020	ND	0.0022	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0021
Ethylbenzene		0.0021	0.0010	0.0103	0.0011	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
m,p-Xylenes		0.0057	0.0020	0.0351	0.0022	0.0024	0.0020	ND	0.0020	ND	0.0020	ND	0.0021
o-Xylene		0.0025	0.0010	0.0079	0.0011	0.0019	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Xylenes, Total		0.0082		0.043		0.0043		ND		ND		ND	
Total BTEX		0.0159		0.0533		0.0054		ND		ND		ND	
Percent Moisture	***Extracted:***												
	Analyzed:	Mar-27-08 08:01		Mar-27-08 08:03		Mar-27-08 08:04		Mar-27-08 08:05		Mar-27-08 08:06		Mar-27-08 08:07	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		1.33	1.00	8.23	1.00	1.22	1.00	2.24	1.00	ND	1.00	3.17	1.00
TPH By SW8015 Mod	***Extracted:***	Mar-26-08 16:05		Mar-26-08 16:05		Mar-26-08 16:05		Mar-26-08 16:05		Mar-26-08 16:05		Mar-26-08 16:05	
	Analyzed:	Mar-31-08 12:59		Mar-28-08 23:52		Mar-29-08 00:18		Mar-31-08 13:25		Mar-31-08 13:51		Mar-29-08 01:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	15.2	72.5	16.3	ND	15.2	ND	15.3	ND	15.1	ND	15.5
C12-C28 Diesel Range Hydrocarbons		2810	15.2	894	16.3	91.5	15.2	299	15.3	268	15.1	37.9	15.5
C28-C35 Oil Range Hydrocarbons		1410	15.2	269	16.3	85.4	15.2	278	15.3	301	15.1	ND	15.5
Total TPH		4220		1235.5		176.9		577		569		37.9	
Total Chloride by EPA 9253	***Extracted:***												
	Analyzed:	Mar-27-08 13:50		Mar-27-08 13:50		Mar-27-08 13:50		Mar-27-08 13:50		Mar-27-08 13:50		Mar-27-08 13:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		517	5.07	371	5.45	21.5	5.06	87.0	5.11	21.4	5.02	43.9	5.16

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 300330

Southern Union Gas Services-Jal, Jal, NM

Project Name: Trunk M # 2 Drip Tanks

Project Id: BGT - 003
Contact: Tony Savoie
Project Location:

Date Received in Lab: Wed Mar-26-08 09:00 am
Report Date: 01-APR-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	300330-007		300330-008		300330-009		300330-010					
	Field Id:	Center Pit Surface		Center Pit 7ft. BGS		Center Pit 17ft BGS		Chloride Baseline					
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Mar-25-08 13:50		Mar-25-08 16:05		Mar-25-08 16:10		Mar-25-08 15:45					
BTEX by EPA 8021B	***Extracted:***	Mar-28-08 10:10		Mar-31-08 14:00		Mar-31-08 14:00							
	Analyzed:	Mar-28-08 19:06		Mar-31-08 17:30		Mar-31-08 17:48							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Benzene		ND	0.0010	ND	0.0011	ND	0.0011						
Toluene		0.0124	0.0020	0.0104	0.0022	0.0311	0.0022						
Ethylbenzene		0.0078	0.0010	0.0355	0.0011	0.0675	0.0011						
m,p-Xylenes		0.0404	0.0020	0.1708	0.0022	0.4371	0.0022						
o-Xylene		0.0075	0.0010	0.0473	0.0011	0.1245	0.0011						
Xylenes, Total		0.0479		0.2181		0.5616							
Total BTEX		0.0681		0.264		0.6602							
Percent Moisture	***Extracted:***												
	Analyzed:	Mar-27-08 08:08		Mar-27-08 08:09		Mar-27-08 08:10		Mar-27-08 08:11					
	Units/RL:	%	RL	%	RL	%	RL	%	RL				
Percent Moisture		ND	1.00	8.10	1.00	7.68	1.00	5.02	1.00				
TPH By SW8015 Mod	***Extracted:***	Mar-26-08 16:05		Mar-26-08 16:05		Mar-26-08 16:05							
	Analyzed:	Mar-31-08 14:16		Mar-29-08 02:30		Mar-29-08 02:57							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL						
C6-C12 Gasoline Range Hydrocarbons		30.9	15.1	136	16.3	295	16.2						
C12-C28 Diesel Range Hydrocarbons		208	15.1	1280	16.3	1210	16.2						
C28-C35 Oil Range Hydrocarbons		204	15.1	346	16.3	273	16.2						
Total TPH		442.9		1762		1778							
Total Chloride by EPA 9253	***Extracted:***												
	Analyzed:	Mar-27-08 13:50		Mar-27-08 13:50		Mar-27-08 13:50		Mar-27-08 13:50					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		21.4	5.02	92.6	5.44	253	5.42	157	5.26				

Brent Barron
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 effect the recovery of the spike concentration. This condition could also effect 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 MQL(PQL) and above the SQL(MDL).

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.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Lab Batch #: 718598 **Sample:** 300330-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	80-120	
4-Bromofluorobenzene	0.0338	0.0300	113	80-120	

Lab Batch #: 718598 **Sample:** 300330-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0344	0.0300	115	80-120	
4-Bromofluorobenzene	0.0303	0.0300	101	80-120	

Lab Batch #: 718598 **Sample:** 300330-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0356	0.0300	119	80-120	
4-Bromofluorobenzene	0.0248	0.0300	83	80-120	

Lab Batch #: 718598 **Sample:** 300330-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0343	0.0300	114	80-120	
4-Bromofluorobenzene	0.0269	0.0300	90	80-120	

Lab Batch #: 718598 **Sample:** 300330-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0343	0.0300	114	80-120	
4-Bromofluorobenzene	0.0307	0.0300	102	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Lab Batch #: 718598 **Sample:** 300330-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0349	0.0300	116	80-120	
4-Bromofluorobenzene	0.0260	0.0300	87	80-120	

Lab Batch #: 718598 **Sample:** 506694-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0322	0.0300	107	80-120	

Lab Batch #: 718598 **Sample:** 506694-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0329	0.0300	110	80-120	
4-Bromofluorobenzene	0.0327	0.0300	109	80-120	

Lab Batch #: 718598 **Sample:** 506694-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0316	0.0300	105	80-120	

Lab Batch #: 718668 **Sample:** 300330-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0378	0.0300	126	80-120	**
4-Bromofluorobenzene	0.0979	0.0300	326	80-120	**

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Lab Batch #: 718668 **Sample:** 300330-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0378	0.0300	126	80-120	**
4-Bromofluorobenzene	0.2270	0.0300	757	80-120	**

Lab Batch #: 718668 **Sample:** 506728-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0308	0.0300	103	80-120	
4-Bromofluorobenzene	0.0331	0.0300	110	80-120	

Lab Batch #: 718668 **Sample:** 506728-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0327	0.0300	109	80-120	
4-Bromofluorobenzene	0.0335	0.0300	112	80-120	

Lab Batch #: 718668 **Sample:** 506728-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0314	0.0300	105	80-120	

Lab Batch #: 718712 **Sample:** 300330-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0333	0.0300	111	80-120	
4-Bromofluorobenzene	0.0188	0.0300	63	80-120	**

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Lab Batch #: 718712 **Sample:** 506754-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0330	0.0300	110	80-120	
4-Bromofluorobenzene	0.0351	0.0300	117	80-120	

Lab Batch #: 718712 **Sample:** 506754-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	80-120	
4-Bromofluorobenzene	0.0339	0.0300	113	80-120	

Lab Batch #: 718712 **Sample:** 506754-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0331	0.0300	110	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	80-120	

Lab Batch #: 718573 **Sample:** 300300-003 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.6	100	84	70-135	
o-Terphenyl	39.4	50.0	79	70-135	

Lab Batch #: 718573 **Sample:** 300300-003 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.7	100	87	70-135	
o-Terphenyl	40.6	50.0	81	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Lab Batch #: 718573 **Sample:** 300330-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	82.8	100	83	70-135	
o-Terphenyl	44.0	50.0	88	70-135	

Lab Batch #: 718573 **Sample:** 300330-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	84.7	100	85	70-135	
o-Terphenyl	44.4	50.0	89	70-135	

Lab Batch #: 718573 **Sample:** 300330-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	78.8	100	79	70-135	
o-Terphenyl	39.4	50.0	79	70-135	

Lab Batch #: 718573 **Sample:** 300330-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.4	100	87	70-135	
o-Terphenyl	44.8	50.0	90	70-135	

Lab Batch #: 718573 **Sample:** 300330-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	82.3	100	82	70-135	
o-Terphenyl	40.9	50.0	82	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Lab Batch #: 718573 **Sample:** 300330-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	81.5	100	82	70-135	
o-Terphenyl	41.6	50.0	83	70-135	

Lab Batch #: 718573 **Sample:** 300330-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	49.7	50.0	99	70-135	

Lab Batch #: 718573 **Sample:** 300330-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	77.6	100	78	70-135	
o-Terphenyl	40.6	50.0	81	70-135	

Lab Batch #: 718573 **Sample:** 300330-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	81.4	100	81	70-135	
o-Terphenyl	41.5	50.0	83	70-135	

Lab Batch #: 718573 **Sample:** 506670-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	84.5	100	85	70-135	
o-Terphenyl	39.4	50.0	79	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Lab Batch #: 718573 **Sample:** 506670-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	78.9	100	79	70-135	
o-Terphenyl	41.3	50.0	83	70-135	

Lab Batch #: 718573 **Sample:** 506670-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.4	100	87	70-135	
o-Terphenyl	40.6	50.0	81	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Lab Batch #: 718333 **Sample:** 718333-1-BKS **Matrix:** Solid

Date Analyzed: 03/27/2008 **Date Prepared:** 03/27/2008 **Analyst:** IRO

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

BLANK /BLANK SPIKE RECOVERY STUDY

Total Chloride by EPA 9253 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100	89.3	89	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Analyst: SHE **Date Prepared:** 03/28/2008 **Date Analyzed:** 03/28/2008

Lab Batch ID: 718598 **Sample:** 506694-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0936	94	0.1	0.0896	90	4	70-130	35	
Toluene	ND	0.1000	0.0916	92	0.1	0.0882	88	4	70-130	35	
Ethylbenzene	ND	0.1000	0.0995	100	0.1	0.0943	94	5	71-129	35	
m,p-Xylenes	ND	0.2000	0.1951	98	0.2	0.1867	93	4	70-135	35	
o-Xylene	ND	0.1000	0.1002	100	0.1	0.0960	96	4	71-133	35	

Analyst: SHE **Date Prepared:** 03/31/2008 **Date Analyzed:** 03/31/2008

Lab Batch ID: 718668 **Sample:** 506728-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0869	87	0.1	0.0860	86	1	70-130	35	
Toluene	ND	0.1000	0.0850	85	0.1	0.0844	84	1	70-130	35	
Ethylbenzene	ND	0.1000	0.0900	90	0.1	0.0897	90	0	71-129	35	
m,p-Xylenes	ND	0.2000	0.1787	89	0.2	0.1781	89	0	70-135	35	
o-Xylene	ND	0.1000	0.0938	94	0.1	0.0931	93	1	71-133	35	

Relative Percent Difference RPD = 200*|(D-F)/(D+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 M # 2 Drip Tanks

Work Order #: 300330 **Project ID:** BGT - 003

Analyst: SHE **Date Prepared:** 04/01/2008 **Date Analyzed:** 04/01/2008

Lab Batch ID: 718712 **Sample:** 506754-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0838	84	0.1	0.0909	91	8	70-130	35	
Toluene	ND	0.1000	0.0835	84	0.1	0.0902	90	8	70-130	35	
Ethylbenzene	ND	0.1000	0.0906	91	0.1	0.0973	97	7	71-129	35	
m,p-Xylenes	ND	0.2000	0.1812	91	0.2	0.1932	97	6	70-135	35	
o-Xylene	ND	0.1000	0.0961	96	0.1	0.1025	103	6	71-133	35	

Analyst: ASA **Date Prepared:** 03/26/2008 **Date Analyzed:** 03/28/2008

Lab Batch ID: 718573 **Sample:** 506670-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	863	86	1000	885	89	3	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	801	80	1000	815	82	2	70-135	35	

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

Form 3 - MS / MSD Recoveries

Project Name: Trunk M # 2 Drip Tanks

Work Order # : 300330 **Project ID:** BGT - 003

Lab Batch ID: 718573 **QC- Sample ID:** 300300-003 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/29/2008 **Date Prepared:** 03/26/2008 **Analyst:** ASA

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1240	993	80	1240	1030	83	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	113	1240	1050	76	1240	1140	83	9	70-135	35	

Lab Batch ID: 718333 **QC- Sample ID:** 300330-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/27/2008 **Date Prepared:** 03/27/2008 **Analyst:** IRO

Reporting Units: mg/kg

Total Chloride by EPA 9253 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	371	2180	2550	100	2180	2570	101	1	75-125	30	

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

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

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

Sample Duplicate Recovery

Project Name: Trunk M # 2 Drip Tanks

Work Order #: 300330

Lab Batch #: 718254 **Project ID:** BGT - 003

Date Analyzed: 03/27/2008 **Date Prepared:** 03/27/2008 **Analyst:** IRO

QC- Sample ID: 300330-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	1.33	1.58	17	20	

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

Environmental Lab of Texas

a XENCO Laboratory Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Tony Savoie PAGE 1 OF 1

Company Name: Southern Union Gas

Company Address: SUGS, Jal

City/State/Zip: Jal, New Mexico 88252

Telephone No: (575) 631-9376 Fax No:

Sampler Signature: Troy Hahn e-mail: tony.savoie@sug.com

Project Name: Trunk M #2 Drip Tanks

Project #: BGT-003

Project Loc:

PO #:

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

(lab use only)

ORDER #: 300330

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Sol NP=Non-Potable Specify Oth	Analyze For: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260 (TCLP: / TOTAL: X)	RCI	N.O.R.M.	CHLORIDES			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT (3 DAY)
01	Separator Stain Surface			03/25/08	1510		1	X								S	X								X			X				X
02	Separator Stain 9Ft BGS			03/25/08	1515		1	X									X								X			X				X
03	Tank Vent Stain Surface			03/25/08	1530		1	X									X								X			X				X
04	Tank Vent Stain 30in. BGS			03/25/08	1535		1	X									X								X			X				X
05	Gate Stain Surface			03/25/08	1555		1	X									X								X			X				X
06	Gate Stain 16in. BGS			03/25/08	1600		1	X									X								X			X				X
07	Center Pit Surface			03/25/08	1350		1	X									X								X			X				X
08	Center Pit 7Ft. BGS			03/25/08	1605		1	X									X								X			X				X
09	Center Pit 17ft BGS			03/25/08	1610		1	X									X								X			X				X
10	Chloride Baseline			03/25/08	1545		1	X									X								X			X				X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Troy Hahn	03/26/08	0900			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Cena Cole	03/26/08	9:00

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

402 Glew

Temperature Upon Receipt: 3.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: S.U.G.S.

Date/ Time: 3.26.08 07:00

Lab ID # : 300330

Initials: 9L

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	3.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	(Yes)	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

CARDINAL Laboratories

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

March 18, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 03/15/13 15:20.

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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/15/2013	Sampling Date:	03/15/2013
Reported:	03/18/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SW #1 (H300645-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	03/18/2013	ND	432	108	400	0.00	

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	03/15/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	**482**	10.0	03/15/2013	ND	192	95.9	200	0.902	
EXT DRO >C28-C35	**103**	10.0	03/15/2013	ND					

Surrogate: 1-Chlorooctane	*81.3 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*104 %*	*63.6-154*

Sample ID: WW #1 (H300645-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/18/2013	ND	432	108	400	0.00	

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	03/15/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	<10.0	10.0	03/15/2013	ND	192	95.9	200	0.902	
EXT DRO >C28-C35	**10.5**	10.0	03/15/2013	ND					

Surrogate: 1-Chlorooctane	*87.8 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*109 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/15/2013	Sampling Date:	03/15/2013
Reported:	03/18/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: WW #2 (H300645-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	03/18/2013	ND	432	108	400	0.00	

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	03/15/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	**362**	10.0	03/15/2013	ND	192	95.9	200	0.902	
EXT DRO >C28-C35	**107**	10.0	03/15/2013	ND					

Surrogate: 1-Chlorooctane	*89.1 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*119 %*	*63.6-154*

Sample ID: WW #4 (H300645-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/18/2013	ND	432	108	400	0.00	

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	03/15/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	**322**	10.0	03/15/2013	ND	192	95.9	200	0.902	
EXT DRO >C28-C35	**65.7**	10.0	03/15/2013	ND					

Surrogate: 1-Chlorooctane	*87.5 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*119 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/15/2013	Sampling Date:	03/15/2013
Reported:	03/18/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EW #2 (H300645-05)

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/18/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**61.6**	50.0	03/15/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	**4660**	50.0	03/15/2013	ND	192	95.9	200	0.902	
EXT DRO >C28-C35	**1040**	50.0	03/15/2013	ND					

Surrogate: 1-Chlorooctane	*77.7 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*359 %*	*63.6-154*

Sample ID: EW #3 (H300645-06)

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	03/18/2013	ND	432	108	400	0.00	

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	03/15/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	**38.8**	10.0	03/15/2013	ND	192	95.9	200	0.902	
EXT DRO >C28-C35	**30.7**	10.0	03/15/2013	ND					

Surrogate: 1-Chlorooctane	*74.6 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*83.2 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/15/2013	Sampling Date:	03/15/2013
Reported:	03/18/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: NW #3 (H300645-07)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/18/2013	ND	432	108	400	0.00	

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	03/15/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	**483**	10.0	03/15/2013	ND	192	95.9	200	0.902	
EXT DRO >C28-C35	**98.3**	10.0	03/15/2013	ND					

Surrogate: 1-Chlorooctane	*80.0 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*111 %*	*63.6-154*

Sample ID: STOCKPILE (H300645-08)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/18/2013	ND	432	108	400	0.00	

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	03/15/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	**57.4**	10.0	03/15/2013	ND	192	95.9	200	0.902	
EXT DRO >C28-C35	**37.5**	10.0	03/15/2013	ND					

Surrogate: 1-Chlorooctane	*84.1 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*106 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/15/2013	Sampling Date:	03/15/2013
Reported:	03/18/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: STRIP SAND (H300645-09)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/18/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/18/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	<50.0	50.0	03/18/2013	ND	192	95.9	200	0.902	
EXT DRO >C28-C35	<50.0	50.0	03/18/2013	ND					

Surrogate: 1-Chlorooctane	*95.1 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*99.3 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

LAB Order ID # _____

Cardinal Laboratories

101 East Marland
Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Company Name:	Basin Environmental Service Technologies, LLC	**Phone #:**	(575)396-2378
Address:	P.O. Box 301 Lovington, NM 88260	**Fax #:**	(575)396-1429
Contact Person:		**E-mail:**	jwlowry@basinenv.com rose.slade@sug.com cyndi.inskeep@sug.com
Invoice to:	Rose Slade @ Southern Union Gas		
Project #:		**Project Name:**	Trunk M#2 Drip Tanks
Project Location: **(include state)**	Lea County, NM	**Sampler Signature:**	Joel Lowry

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB ID (LAB USE ONLY)	SAMPLE ID	(G)RAB or (C)OMP	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	Chloride	TPH 8015M	BTEX 8021B	Turn Around Time if different from standard	Hold
H30104 1	SWH1	G	1		X							X		3/15	10:30	X	X			
2	WWH1	G	1		X							X		3/15	10:35	X	X			
3	WWH2	G	1		X							X		3/15	10:40	X	X			
4	WWH4	G	1		X							X		3/15	10:50	X	X			
5	EWH2	G	1		X							X		3/15	10:55	X	X			
6	EWH3	G	1		X							X		3/15	11:00	X	X			
7	NWH3	G	1		X							X		3/15	11:10	X	X			
8	stockpile	C	1		X							X		3/15	11:15	X	X			
9	Strip Sand	C	1		X							X		3/15	11:20	X	X			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Joel Lowry	Basin	3/15/13	3:20	Jodi Henson		3/15/13	3:20

INST 5.0 °C
OBS _____ °C
COR _____ °C

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

REMARKS: RUSH!!

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

Carrier # _____

Submittal of samples constitutes agreement to Terms and Conditions

ORIGINAL COPY

#26

CARDINAL Laboratories

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

April 05, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 04/03/13 8:07.

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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/03/2013	Sampling Date:	04/02/2013
Reported:	04/05/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: PIT TEST TRENCH @ 24' (H300778-01)

BTEX 8021B mg/kg Analyzed By: AP S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2013	ND	1.63	81.4	2.00	16.1	
Toluene*	**0.122**	0.050	04/05/2013	ND	1.81	90.7	2.00	17.0	
Ethylbenzene*	**0.397**	0.050	04/05/2013	ND	1.92	95.8	2.00	15.6	
Total Xylenes*	**1.42**	0.150	04/05/2013	ND	5.76	96.1	6.00	13.9	
Total BTEX	**1.94**	0.300	04/05/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *211 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	04/03/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**144**	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	**455**	10.0	04/03/2013	ND	199	99.6	200	3.61	
EXT DRO >C28-C35	**54.1**	10.0	04/03/2013	ND					

Surrogate: 1-Chlorooctane *100 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *115 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/03/2013	Sampling Date:	04/02/2013
Reported:	04/05/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: PIT TEST TRENCH @ 29' (H300778-02)

BTEX 8021B mg/kg Analyzed By: AP S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2013	ND	1.63	81.4	2.00	16.1	
Toluene*	**0.052**	0.050	04/05/2013	ND	1.81	90.7	2.00	17.0	
Ethylbenzene*	**0.155**	0.050	04/05/2013	ND	1.92	95.8	2.00	15.6	
Total Xylenes*	**0.632**	0.150	04/05/2013	ND	5.76	96.1	6.00	13.9	
Total BTEX	**0.840**	0.300	04/05/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *141 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	04/03/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**70.9**	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	**263**	10.0	04/03/2013	ND	199	99.6	200	3.61	
EXT DRO >C28-C35	**33.7**	10.0	04/03/2013	ND					

Surrogate: 1-Chlorooctane *88.0 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *99.1 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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. Keene

Celey D. Keene, Lab Director/Quality Manager

Cardinal Laboratories

101 East Marland
Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Company Name: Basin Environmental Service Technologies, LLC	Phone #: (575)396-2378
Address: P.O. Box 301 Lovington, NM 88260	Fax #: (575)396-1429
Contact Person:	E-mail: pm@basinenv.com, rose.slade@sug.com,cyndi.inskeep@sug.com
Invoice to: Southern Union Gas	
Project #:	Project Name: Trunk M#2 Drip Tanks
Project Location: (include state) Lea Co., NM	Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB ID (LAB USE ONLY)	SAMPLE ID	(G)RAB or (C)OMP	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	Chloride	TPH 8015M	BTEX 8021B	Turn Around Time if different from standard	Hold
H32778 1	Pit Test Trench @ 24'	G	1		X							X		4/2/13	1000	X	X	X		
2	Pit Test Trench @ 29'	G	1		X							X		4/2/13	1005	X	X	X		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
		4/2/13	5:00		Basin Env.	~~10/24/12~~ 4/2/13	5:00 ~~0700~~	INST _____ OBS _____ °C COR _____ °C
	Basin Env.	4/3/13	0800			4/3/13	807	INST #26 OBS 5 °C COR _____ °C
								INST _____ OBS _____ °C COR _____ °C

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

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

Carrier # _____

Submittal of samples constitutes agreement to Terms and Conditions

ORIGINAL COPY

CARDINAL Laboratories

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

April 08, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 04/04/13 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/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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/04/2013	Sampling Date:	04/03/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	RP-1819	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC. B MIDDLE FLOOR (H300800-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/05/2013	ND	448	112	400	0.00	

TPH 8015M **mg/kg** **Analyzed By: MS** **S-06**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/05/2013	ND	203	102	200	2.50	
DRO >C10-C28	**108**	50.0	04/05/2013	ND	201	100	200	2.32	
EXT DRO >C28-C35	**208**	50.0	04/05/2013	ND					

Surrogate: 1-Chlorooctane	*55.8 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*117 %*	*63.6-154*

Sample ID: EXC. B EAST WALL #1 (H300800-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/05/2013	ND	432	108	400	3.64	

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/05/2013	ND	203	102	200	2.50	
DRO >C10-C28	**368**	10.0	04/05/2013	ND	201	100	200	2.32	
EXT DRO >C28-C35	**57.6**	10.0	04/05/2013	ND					

Surrogate: 1-Chlorooctane	*96.3 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*115 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/04/2013	Sampling Date:	04/03/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	RP-1819	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC. B EAST WALL #2 (H300800-03)

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1250**	16.0	04/05/2013	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/05/2013	ND	203	102	200	2.50	
DRO >C10-C28	**140**	10.0	04/05/2013	ND	201	100	200	2.32	
EXT DRO >C28-C35	**25.5**	10.0	04/05/2013	ND					

Surrogate: 1-Chlorooctane	*89.3 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*114 %*	*63.6-154*

Sample ID: EXC. B WEST WALL #1 (H300800-04)

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	04/05/2013	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/05/2013	ND	203	102	200	2.50	
DRO >C10-C28	<10.0	10.0	04/05/2013	ND	201	100	200	2.32	
EXT DRO >C28-C35	<10.0	10.0	04/05/2013	ND					

Surrogate: 1-Chlorooctane	*87.5 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*108 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/04/2013	Sampling Date:	04/03/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	RP-1819	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC. B WEST WALL #2 (H300800-05)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	04/05/2013	ND	432	108	400	3.64	

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/05/2013	ND	203	102	200	2.50	
DRO >C10-C28	<10.0	10.0	04/05/2013	ND	201	100	200	2.32	
EXT DRO >C28-C35	<10.0	10.0	04/05/2013	ND					

Surrogate: 1-Chlorooctane	*81.4 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*104 %*	*63.6-154*

Sample ID: EXC. B NORTH WALL #1 (H300800-06)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**928**	16.0	04/05/2013	ND	432	108	400	3.64	

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**122**	10.0	04/05/2013	ND	203	102	200	2.50	
DRO >C10-C28	**1200**	10.0	04/05/2013	ND	201	100	200	2.32	
EXT DRO >C28-C35	**149**	10.0	04/05/2013	ND					

Surrogate: 1-Chlorooctane	*116 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*129 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/04/2013	Sampling Date:	04/03/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	RP-1819	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC. B NORTH WALL #2 (H300800-07)

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**944**	16.0	04/05/2013	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/06/2013	ND	208	104	200	7.77	
DRO >C10-C28	**289**	10.0	04/06/2013	ND	206	103	200	6.90	
EXT DRO >C28-C35	**43.1**	10.0	04/06/2013	ND					

Surrogate: 1-Chlorooctane	*98.8 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*125 %*	*63.6-154*

Sample ID: EXC. A NORTH WALL (H300800-08)

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	04/05/2013	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**24.7**	10.0	04/06/2013	ND	208	104	200	7.77	
DRO >C10-C28	**535**	10.0	04/06/2013	ND	206	103	200	6.90	
EXT DRO >C28-C35	**78.2**	10.0	04/06/2013	ND					

Surrogate: 1-Chlorooctane	*102 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*120 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/04/2013	Sampling Date:	04/03/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	RP-1819	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC. A WEST WALL (H300800-09)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	04/05/2013	ND	432	108	400	3.64	

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/06/2013	ND	208	104	200	7.77	
DRO >C10-C28	**241**	10.0	04/06/2013	ND	206	103	200	6.90	
EXT DRO >C28-C35	**48.8**	10.0	04/06/2013	ND					

Surrogate: 1-Chlorooctane	*95.6 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*118 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

LAB Order ID # _____

Cardinal Laboratories

101 East Marland
Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Company Name: Basin Environmental Service Technologies, LLC	**Phone #:** (575)396-2378
Address: P.O. Box 301, Lovington, NM 88260	**Fax #:** (575)396-1429
Contact Person:	**E-mail:** pm@basinenv.com, rose.slade@sug.com,cyndi.inskeep@sug.com
Invoice to: Southern Union Gas	
Project #: RP-1819	**Project Name:** Trunk M#2 Drip Tanks
Project Location: (include state) Lea Co., NM	**Sampler Signature:** Joel Lowry

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB ID (LAB USE ONLY)	SAMPLE ID	(G)RAB or (C)OMP	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	Chloride	TPH 8015M	BTEX 8021B	Turn Around Time if different from standard	Hold
H32080 1	Exc. B Middle Floor	G	1		X							X		4/3/13	1200	X	X			
2	Exc. B East Wall #1	G	1		X							X		4/3/13	100	X	X			
3	Exc. B East Wall #2	G	1		X							X		4/3/13	1210	X	X			
4	Exc. B West Wall #1	G	1		X							X		4/3/13	1230	X	X			
5	Exc. B West Wall #2	G	1		X							X		4/4/13	1250	X	X			
6	Exc. B North Wall #1	G	1		X							X		4/5/13	110	X	X			
7	Exc. B North Wall #2	G	1		X							X		4/6/13	1240	X	X			
8	Exc. A North Wall	G	1		X							X		4/7/13	120	X	X			
9	Exc. A West Wall	G	1		X							X		4/8/13	1220	X	X			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Joel Lowry		4/4/13	7:00	BR Blakemore		4-4	7:00
BR Blakemore		4/4	8:30	Jodi Henson		4/4/13	8:30

INST # 2.6 / OBS 2 °C / COR 2 °C

INST _____ / OBS _____ °C / COR _____ °C

LAB USE ONLY

Intact Y / N

Headspace Y / N /NA

Log-in Review

REMARKS:

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Carrier # _____

Submittal of samples constitutes agreement to Terms and Conditions

ORIGINAL COPY

CARDINAL Laboratories

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

April 08, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 04/05/13 14:45.

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/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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/05/2013	Sampling Date:	04/05/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EAST WALL #2 B (H300824-01)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2013	ND	2.02	101	2.00	0.583	
Toluene*	<0.050	0.050	04/08/2013	ND	2.27	114	2.00	2.64	
Ethylbenzene*	<0.050	0.050	04/08/2013	ND	2.36	118	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/08/2013	ND	6.81	114	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/08/2013	ND	448	112	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/08/2013	ND	196	98.0	200	3.77	
DRO >C10-C28	**23.1**	10.0	04/08/2013	ND	190	95.2	200	4.84	
EXT DRO >C28-C35	<10.0	10.0	04/08/2013	ND					

Surrogate: 1-Chlorooctane *78.9 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *108 %* *63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/05/2013	Sampling Date:	04/05/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC A FLOOR A (H300824-02)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2013	ND	2.02	101	2.00	0.583	
Toluene*	<0.050	0.050	04/08/2013	ND	2.27	114	2.00	2.64	
Ethylbenzene*	<0.050	0.050	04/08/2013	ND	2.36	118	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/08/2013	ND	6.81	114	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	04/08/2013	ND	448	112	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/08/2013	ND	196	98.0	200	3.77	
DRO >C10-C28	**247**	10.0	04/08/2013	ND	190	95.2	200	4.84	
EXT DRO >C28-C35	**46.3**	10.0	04/08/2013	ND					

Surrogate: 1-Chlorooctane *80.1 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *111 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/05/2013	Sampling Date:	04/05/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC A FLOOR B (H300824-03)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2013	ND	2.02	101	2.00	0.583	
Toluene*	<0.050	0.050	04/08/2013	ND	2.27	114	2.00	2.64	
Ethylbenzene*	<0.050	0.050	04/08/2013	ND	2.36	118	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/08/2013	ND	6.81	114	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	04/08/2013	ND	448	112	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/08/2013	ND	196	98.0	200	3.77	
DRO >C10-C28	**232**	10.0	04/08/2013	ND	190	95.2	200	4.84	
EXT DRO >C28-C35	**61.1**	10.0	04/08/2013	ND					

Surrogate: 1-Chlorooctane *86.9 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *115 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/05/2013	Sampling Date:	04/05/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC A FLOOR C (H300824-04)

BTEX 8021B mg/kg Analyzed By: AP S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2013	ND	2.02	101	2.00	0.583	
Toluene*	<0.050	0.050	04/08/2013	ND	2.27	114	2.00	2.64	
Ethylbenzene*	**0.262**	0.050	04/08/2013	ND	2.36	118	2.00	1.28	
Total Xylenes*	**0.827**	0.150	04/08/2013	ND	6.81	114	6.00	1.48	
Total BTEX	**1.09**	0.300	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *191 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/08/2013	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**97.6**	10.0	04/08/2013	ND	196	98.0	200	3.77	
DRO >C10-C28	**541**	10.0	04/08/2013	ND	190	95.2	200	4.84	
EXT DRO >C28-C35	**76.1**	10.0	04/08/2013	ND					

Surrogate: 1-Chlorooctane *101 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *130 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/05/2013	Sampling Date:	04/05/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC A FLOOR D (H300824-05)

BTEX 8021B mg/kg Analyzed By: AP S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2013	ND	2.02	101	2.00	0.583	
Toluene*	**1.09**	0.050	04/08/2013	ND	2.27	114	2.00	2.64	
Ethylbenzene*	**2.49**	0.050	04/08/2013	ND	2.36	118	2.00	1.28	
Total Xylenes*	**8.31**	0.150	04/08/2013	ND	6.81	114	6.00	1.48	
Total BTEX	**11.9**	0.300	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *460 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	04/08/2013	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**603**	10.0	04/08/2013	ND	196	98.0	200	3.77	
DRO >C10-C28	**1160**	10.0	04/08/2013	ND	190	95.2	200	4.84	
EXT DRO >C28-C35	**140**	10.0	04/08/2013	ND					

Surrogate: 1-Chlorooctane *120 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *124 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/05/2013	Sampling Date:	04/05/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC B SOUTH WALL #1 (H300824-06)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2013	ND	2.02	101	2.00	0.583	
Toluene*	<0.050	0.050	04/08/2013	ND	2.27	114	2.00	2.64	
Ethylbenzene*	**0.058**	0.050	04/08/2013	ND	2.36	118	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/08/2013	ND	6.81	114	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	04/08/2013	ND	448	112	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/08/2013	ND	196	98.0	200	3.77	
DRO >C10-C28	**382**	10.0	04/08/2013	ND	190	95.2	200	4.84	
EXT DRO >C28-C35	**133**	10.0	04/08/2013	ND					

Surrogate: 1-Chlorooctane *84.0 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *120 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/05/2013	Sampling Date:	04/05/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC B SOUTH WALL #2 (H300824-07)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2013	ND	2.02	101	2.00	0.583	
Toluene*	<0.050	0.050	04/08/2013	ND	2.27	114	2.00	2.64	
Ethylbenzene*	<0.050	0.050	04/08/2013	ND	2.36	118	2.00	1.28	
Total Xylenes*	<0.150	0.150	04/08/2013	ND	6.81	114	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1040**	16.0	04/08/2013	ND	448	112	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/08/2013	ND	196	98.0	200	3.77	
DRO >C10-C28	**305**	10.0	04/08/2013	ND	190	95.2	200	4.84	
EXT DRO >C28-C35	**107**	10.0	04/08/2013	ND					

Surrogate: 1-Chlorooctane *93.2 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *134 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/05/2013	Sampling Date:	04/05/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC B FLOOR A (H300824-08)

BTEX 8021B mg/kg Analyzed By: AP S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2013	ND	2.02	101	2.00	0.583	
Toluene*	**4.21**	0.050	04/08/2013	ND	2.27	114	2.00	2.64	
Ethylbenzene*	**5.62**	0.050	04/08/2013	ND	2.36	118	2.00	1.28	
Total Xylenes*	**23.9**	0.150	04/08/2013	ND	6.81	114	6.00	1.48	
Total BTEX	**33.7**	0.300	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *822 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	04/08/2013	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**1680**	50.0	04/08/2013	ND	196	98.0	200	3.77	
DRO >C10-C28	**1750**	50.0	04/08/2013	ND	190	95.2	200	4.84	
EXT DRO >C28-C35	**223**	50.0	04/08/2013	ND					

Surrogate: 1-Chlorooctane *175 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *130 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/05/2013	Sampling Date:	04/05/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC B FLOOR B (H300824-09)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2013	ND	2.02	101	2.00	0.583	
Toluene*	**0.057**	0.050	04/08/2013	ND	2.27	114	2.00	2.64	
Ethylbenzene*	**0.108**	0.050	04/08/2013	ND	2.36	118	2.00	1.28	
Total Xylenes*	**0.350**	0.150	04/08/2013	ND	6.81	114	6.00	1.48	
Total BTEX	**0.516**	0.300	04/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	04/08/2013	ND	448	112	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**13.9**	10.0	04/08/2013	ND	196	98.0	200	3.77	
DRO >C10-C28	**356**	10.0	04/08/2013	ND	190	95.2	200	4.84	
EXT DRO >C28-C35	**56.3**	10.0	04/08/2013	ND					

Surrogate: 1-Chlorooctane *103 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *129 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Joel Lowry
Company Name: Basin Environmental Service Technologies, LLC
Company Address: P.O. Box 301
City/State/Zip: Lovington, NM 88260
Telephone No: (575)396-2378 Fax No: (575) 396-1429
Sampler Signature: Joel Lowry
e-mail: pm@basinenv.com, cyndi.inskeep@sug.com, rose.slade@sug.com

Project Name: Townle #2 Drip Tank
Project #:
Project Loc: Lea County, NM
PO #: Bill Southern Union Gas
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: H300824

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW = Drinking Water, GW = Groundwater, NP = Non-Potable, SL = Sludge, S = Soil/Soil, Specify Oth	Analyze For: TCLP: TOTAL: TPH: 418.1 / 8015M TPH: TX 1005 / TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	CHLORIDES	Total Dissolved Solids	HOLD	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
1	East Wall #2B			4/5/13	12:50		1									S	X						X			X				
2	Exc A Floor A			4/5/13	12:55		1									S	X						X			X				
3	Exc A Floor B			4/5/13	1:00		1									S	X						X			X				
4	Exc A Floor C			4/5/13	1:05		1									S	X						X			X				
5	Exc A Floor D			4/5/13	1:10		1									S	X						X			X				
6	Exc B South Wall #1			4/5/13	1:15		1									S	X						X			X				
7	Exc B South Wall #2			4/5/13	1:20		1									S	X						X			X				
8	Exc B Floor A			4/5/13	1:25		1									S	X						X			X				
9	Exc B Floor B			4/5/13	1:30		1									S	X						X			X				

Special Instructions: RUSH!! Samples just taken & brought to lab. Not enough time to reach temperature.

Relinquished by:	Date	Time	Received by:	Date	Time
	4.5.13	4:41	Jodi Henson	4/5/13	2:45
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

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

Temperature Upon Receipt: 16 °C

#26

CARDINAL Laboratories

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

April 22, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 04/11/13 9:00.

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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/11/2013	Sampling Date:	04/10/2013
Reported:	04/22/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC. B SOUTH WALL #2B (H300858-01)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2013	ND	1.89	94.3	2.00	22.2	
Toluene*	<0.050	0.050	04/19/2013	ND	1.90	95.0	2.00	21.2	
Ethylbenzene*	<0.050	0.050	04/19/2013	ND	1.87	93.4	2.00	22.0	
Total Xylenes*	**0.217**	0.150	04/19/2013	ND	5.55	92.4	6.00	21.0	
Total BTEX	<0.300	0.300	04/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *161 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	04/11/2013	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**52.5**	10.0	04/11/2013	ND	214	107	200	1.94	
DRO >C10-C28	**573**	10.0	04/11/2013	ND	210	105	200	3.26	
EXT DRO >C28-C35	**73.2**	10.0	04/11/2013	ND					

Surrogate: 1-Chlorooctane *108 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *141 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/11/2013	Sampling Date:	04/10/2013
Reported:	04/22/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC. B BSOUTH WALL #1B (H300858-02)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2013	ND	1.89	94.3	2.00	22.2	
Toluene*	<0.050	0.050	04/19/2013	ND	1.90	95.0	2.00	21.2	
Ethylbenzene*	<0.050	0.050	04/19/2013	ND	1.87	93.4	2.00	22.0	
Total Xylenes*	**0.212**	0.150	04/19/2013	ND	5.55	92.4	6.00	21.0	
Total BTEX	<0.300	0.300	04/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *161 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	04/11/2013	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**55.3**	10.0	04/11/2013	ND	214	107	200	1.94	
DRO >C10-C28	**727**	10.0	04/11/2013	ND	210	105	200	3.26	
EXT DRO >C28-C35	**113**	10.0	04/11/2013	ND					

Surrogate: 1-Chlorooctane *107 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *120 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/11/2013	Sampling Date:	04/10/2013
Reported:	04/22/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC. B EAST WALL #3 (H300858-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2013	ND	1.89	94.3	2.00	22.2	
Toluene*	<0.050	0.050	04/19/2013	ND	1.90	95.0	2.00	21.2	
Ethylbenzene*	<0.050	0.050	04/19/2013	ND	1.87	93.4	2.00	22.0	
Total Xylenes*	<0.150	0.150	04/19/2013	ND	5.55	92.4	6.00	21.0	
Total BTEX	<0.300	0.300	04/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/11/2013	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2013	ND	214	107	200	1.94	
DRO >C10-C28	**224**	10.0	04/11/2013	ND	210	105	200	3.26	
EXT DRO >C28-C35	**44.9**	10.0	04/11/2013	ND					

Surrogate: 1-Chlorooctane *94.5 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *116 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/11/2013	Sampling Date:	04/10/2013
Reported:	04/22/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC. B WEST WALL #3 (H300858-04)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2013	ND	1.89	94.3	2.00	22.2	
Toluene*	<0.050	0.050	04/19/2013	ND	1.90	95.0	2.00	21.2	
Ethylbenzene*	**0.319**	0.050	04/19/2013	ND	1.87	93.4	2.00	22.0	
Total Xylenes*	**1.30**	0.150	04/19/2013	ND	5.55	92.4	6.00	21.0	
Total BTEX	**1.62**	0.300	04/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *309 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/11/2013	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**132**	10.0	04/11/2013	ND	214	107	200	1.94	
DRO >C10-C28	**853**	10.0	04/11/2013	ND	210	105	200	3.26	
EXT DRO >C28-C35	**124**	10.0	04/11/2013	ND					

Surrogate: 1-Chlorooctane *106 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *129 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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. Keene

Celey D. Keene, Lab Director/Quality Manager

LAB Order ID # _____

Cardinal Laboratories

101 East Marland
Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Company Name:	Basin Environmental Service Technologies, LLC	Phone #:	(575)396-2378
Address:	P.O. Box 301 Lovington, NM 88260	Fax #:	(575)396-1429
Contact Person:		E-mail:	pm@basinenv.com, rose.slade@sug.com,cyndi.inskeep@sug.com
Invoice to:	Southern Union Gas		
Project #:		Project Name:	Trunk M#2 Drip Tanks
Project Location: (include state)	Lea Co., NM	Sampler Signature:	Josh Smith

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB ID (LAB USE ONLY H30D558)	SAMPLE ID	(G)RAB or (C)OMP	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	Chloride	TPH 8015M	BTEX 8021B added 4/19	13	Rush	Turn Around Time if different from standard	Hold
1	Exc. B South Wall #2 b	G	1		1							1		4/10	2:00	1	1	X		1		
2	Exc B B South Wall #1 b	G	1		1							1		4/10	2:10	1	1	X		1		
3	Exc B East Wall #3	G	1		1							1		4/10	2:20	1	1	X		1		
4	Exc B West Wall #3	G	1		1							1		4/10	2:30	1	1	X		1		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Josh Smith	Basin	4-11-13	8:55		Basin Env.	10/24/12	0700
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
				Cyndi Henson		4/11/13	9:00
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

INST / OBS °C / COR °C

LAB USE ONLY

Intact Y / N

Headspace Y / N /NA

Log-in Review

REMARKS:

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Carrier # _____

Submittal of samples constitutes agreement to Terms and Conditions

ORIGINAL COPY

CARDINAL Laboratories

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

April 18, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 04/12/13 9:27.

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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/12/2013	Sampling Date:	04/11/2013
Reported:	04/18/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	RP-1819	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: MIDDLE EXC. EAST FLOOR (H300877-01)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2013	ND	1.95	97.6	2.00	7.04	
Toluene*	<0.050	0.050	04/16/2013	ND	1.94	96.8	2.00	6.83	
Ethylbenzene*	**0.095**	0.050	04/16/2013	ND	1.92	96.0	2.00	7.16	
Total Xylenes*	**0.273**	0.150	04/16/2013	ND	5.59	93.2	6.00	6.83	
Total BTEX	**0.368**	0.300	04/16/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID	*186 %*	*89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1170**	16.0	04/12/2013	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**59.0**	10.0	04/12/2013	ND	215	108	200	3.39	
DRO >C10-C28	**785**	10.0	04/12/2013	ND	210	105	200	3.55	
EXT DRO >C28-C35	**109**	10.0	04/12/2013	ND					

Surrogate: 1-Chlorooctane	*104 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*119 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/12/2013	Sampling Date:	04/11/2013
Reported:	04/18/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	RP-1819	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: MIDDLE EXC. WEST FLOOR (H300877-02)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2013	ND	1.95	97.6	2.00	7.04	
Toluene*	<0.050	0.050	04/16/2013	ND	1.94	96.8	2.00	6.83	
Ethylbenzene*	**0.121**	0.050	04/16/2013	ND	1.92	96.0	2.00	7.16	
Total Xylenes*	**0.449**	0.150	04/16/2013	ND	5.59	93.2	6.00	6.83	
Total BTEX	**0.570**	0.300	04/16/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID	*187 %*	*89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1040**	16.0	04/12/2013	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**73.2**	10.0	04/12/2013	ND	215	108	200	3.39	
DRO >C10-C28	**817**	10.0	04/12/2013	ND	210	105	200	3.55	
EXT DRO >C28-C35	**106**	10.0	04/12/2013	ND					

Surrogate: 1-Chlorooctane	*109 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*121 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/12/2013	Sampling Date:	04/11/2013
Reported:	04/18/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	RP-1819	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: MIDDLE EXC. NORTH WALL #1 (H300877-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2013	ND	2.04	102	2.00	7.37	
Toluene*	<0.050	0.050	04/18/2013	ND	2.01	100	2.00	7.72	
Ethylbenzene*	<0.050	0.050	04/18/2013	ND	2.01	101	2.00	7.77	
Total Xylenes*	<0.150	0.150	04/18/2013	ND	5.94	99.0	6.00	7.35	
Total BTEX	<0.300	0.300	04/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1090**	16.0	04/12/2013	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/12/2013	ND	215	108	200	3.39	
DRO >C10-C28	**78.9**	10.0	04/12/2013	ND	210	105	200	3.55	
EXT DRO >C28-C35	**19.2**	10.0	04/12/2013	ND					

Surrogate: 1-Chlorooctane *88.7 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *108 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/12/2013	Sampling Date:	04/11/2013
Reported:	04/18/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	RP-1819	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: MIDDLE EXC. STOCKPILE (H300877-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1140**	16.0	04/12/2013	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**52.1**	10.0	04/12/2013	ND	215	108	200	3.39	
DRO >C10-C28	**1010**	10.0	04/12/2013	ND	210	105	200	3.55	
EXT DRO >C28-C35	**147**	10.0	04/12/2013	ND					

Surrogate: 1-Chlorooctane	*104 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*127 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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. Keene

Celey D. Keene, Lab Director/Quality Manager

LAB Order ID # _____

Cardinal Laboratories

101 East Marland
Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Company Name: Basin Environmental Service Technologies, LLC	**Phone #:** (575)396-2378
Address: P.O. Box 301, Lovington, NM 88260	**Fax #:** (575)396-1429
Contact Person:	**E-mail:** pm@basinenv.com, rose.slade@sug.com,cyndi.inskeep@sug.com
Invoice to: Southern Union Gas	
Project #: RP-1819	**Project Name:** Trunk M#2 Drip Tanks
Project Location: (include state) Lea Co., NM	**Sampler Signature:** Joel Lowry

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB ID (LAB USE ONLY) H32037	SAMPLE ID	(G)RAB or (C)OMP	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	Chloride	TPH 8015M	BTEX 8021B * Added 4/15/13	Turn Around Time if different from standard	Hold
1	Middle Exc. East Floor	G	1		X							X		4/11/13	1130	X	X	X		
2	Middle Exc. West Floor	G	1		X							X		4/11/13	1140	X	X	X		
3	Middle Exc. North Wall #1	G	1		X							X		4/11/13	1150	X	X	X		
4	Middle Exc. Stockpile	C	1		X							X		4/11/13	1200	X	X			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Joel Lowry		4/12/13	7:15	[illegible]		4-12	7:15	INST ____ OBS ____ °C COR ____ °C
[illegible]		4-12	9:27	Jodi Henson		4/12	9:27	INST 54 OBS ____ °C COR 4.7 °C
								INST ____ OBS ____ °C COR ____ °C

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

REMARKS:

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

Carrier # _____

Submittal of samples constitutes agreement to Terms and Conditions

ORIGINAL COPY

CARDINAL Laboratories

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

April 19, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 04/18/13 15:35.

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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/18/2013	Sampling Date:	04/18/2013
Reported:	04/19/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: 4-18-13 STOCKPILE (H300924-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	04/19/2013	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**11.1**	10.0	04/19/2013	ND	210	105	200	4.29	
DRO >C10-C28	**219**	10.0	04/19/2013	ND	204	102	200	4.96	
EXT DRO >C28-C35	**46.2**	10.0	04/19/2013	ND					

Surrogate: 1-Chlorooctane	*93.7 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*116 %*	*63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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. Keene

Celey D. Keene, Lab Director/Quality Manager

LAB Order ID # _____ Page 1 of 1

Cardinal Laboratories

101 East Marland
Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Page 4 of 4

Company Name: Basin Environmental Service Technologies, LLC	**Phone #:** (575)396-2378
Address: P.O. Box 301, Lovington, NM 88260	**Fax #:** (575)396-1429
Contact Person:	**E-mail:** pm@basinenv.com, rose.slade@sug.com,cyndi.inskeep@sug.com
Invoice to: Southern Union Gas	
Project #:	**Project Name:** Trunk M#2 Drip Tanks
Project Location: (include state) Lea Co., NM	**Sampler Signature:** Joel Young

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB ID (LAB USE ONLY)	SAMPLE ID	(G)RAB or (C)OMP	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	Chloride	TPH 8015M	BTEX 8021B	Turn Around Time if different from standard	Hold
H30092 -1	4-18-13 Stockpile	C	1		X									4/18	2:50	X	X			

Relinquished by: Joel Young Company: Date: 4/18/13 Time: 3:35
Received by: Jodi Henson Company: Date: 4/18/13 Time: 3:35
INST 54 °C OBS 23 °C COR _____ °C

Relinquished by: Company: Date: Time:
Received by: Company: Date: Time:
INST _____ OBS _____ °C COR _____ °C

Relinquished by: Company: Date: Time:
Received by: Company: Date: Time:
INST _____ OBS _____ °C COR _____ °C

Submittal of samples constitutes agreement to Terms and Conditions

ORIGINAL COPY

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

REMARKS: samples taken & brought directly to lab. JA
☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Carrier # _____

CARDINAL Laboratories

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

April 30, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 04/26/13 12:19.

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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/26/2013	Sampling Date:	04/25/2013
Reported:	04/30/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

Sample ID: 4-25-13 MIDDLE EXC. STOCKPILE (H300990-01)

BTEX 8021B mg/kg Analyzed By: AP

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

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

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	04/29/2013	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2013	ND	190	95.1	200	1.11	
DRO >C10-C28	**53.0**	10.0	04/29/2013	ND	192	95.9	200	0.524	
EXT DRO >C28-C35	**21.3**	10.0	04/29/2013	ND					

Surrogate: 1-Chlorooctane *90.5 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *108 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/26/2013	Sampling Date:	04/25/2013
Reported:	04/30/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

Sample ID: 4-25-13 SAND. STOCKPILE (H300990-02)

BTEX 8021B mg/kg **Analyzed By: AP**

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

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

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/29/2013	ND	432	108	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2013	ND	190	95.1	200	1.11	
DRO >C10-C28	**47.9**	10.0	04/29/2013	ND	192	95.9	200	0.524	
EXT DRO >C28-C35	**29.2**	10.0	04/29/2013	ND					

Surrogate: 1-Chlorooctane *80.8 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *91.4 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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. Keene

Celey D. Keene, Lab Director/Quality Manager

LAB Order ID # H300990-

Cardinal Laboratories

101 East Marland
Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Company Name: Basin Environmental Service Technologies, LLC	**Phone #:** (575)396-2378
Address: P.O. Box 301 Lovington, NM 88260	**Fax #:** (575)396-1429
Contact Person:	**E-mail:** pm@basinenv.com, rose.slade@sug.com,cyndi.inskeep@sug.com
Invoice to: Southern Union Gas	
Project #:	**Project Name:** Trunk M#2 Drip Tanks
Project Location: (include state) Lea Co., NM	**Sampler Signature:**

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB ID (LAB USE ONLY)	SAMPLE ID	(G)RAB or (C)OMP	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	Chloride	TPH 8015M	BTEX 8021B	Rush Rush	Turn Around Time if different from standard	Hold
-01	4-25-13 Middle Exc. Stockpile	C	1		X							X		4/25/13	1300	X	X	X			
-02	4-25-13 Sand Stockpile	C	1		X							X		4/25/13	1310	X	X	X			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Basin	4/26/13	17:19			4/26/13	12:19	INST #54 OBS °C COR -1.4 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST OBS °C COR °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST OBS °C COR °C

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

REMARKS:

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

Carrier #

Submittal of samples constitutes agreement to Terms and Conditions

ORIGINAL COPY

CARDINAL Laboratories

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

May 06, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 04/29/13 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/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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/29/2013	Sampling Date:	04/26/2013
Reported:	05/06/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC A NORTH WALL #1B (H301002-01)

BTEX 8021B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2013	ND	2.04	102	2.00	18.6	
Toluene*	<0.050	0.050	05/01/2013	ND	1.86	92.9	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/01/2013	ND	1.98	99.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	05/01/2013	ND	5.91	98.4	6.00	17.3	
Total BTEX	<0.300	0.300	05/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	04/29/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2013	ND	187	93.7	200	0.455	
DRO >C10-C28	**104**	10.0	04/30/2013	ND	181	90.6	200	0.160	
EXT DRO >C28-C35	**21.6**	10.0	04/30/2013	ND					

Surrogate: 1-Chlorooctane *93.3 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *96.8 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/29/2013	Sampling Date:	04/26/2013
Reported:	05/06/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC A EAST WALL #3B (H301002-02)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2013	ND	2.04	102	2.00	18.6	
Toluene*	<0.100	0.100	05/01/2013	ND	1.86	92.9	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/01/2013	ND	1.98	99.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	05/01/2013	ND	5.91	98.4	6.00	17.3	
Total BTEX	<0.350	0.350	05/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	04/29/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2013	ND	187	93.7	200	0.455	
DRO >C10-C28	<10.0	10.0	04/30/2013	ND	181	90.6	200	0.160	
EXT DRO >C28-C35	<10.0	10.0	04/30/2013	ND					

Surrogate: 1-Chlorooctane *75.2 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *82.2 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/29/2013	Sampling Date:	04/26/2013
Reported:	05/06/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC B NORTH WALL #1B (H301002-03)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2013	ND	2.04	102	2.00	18.6	
Toluene*	<0.050	0.050	05/01/2013	ND	1.86	92.9	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/01/2013	ND	1.98	99.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	05/01/2013	ND	5.91	98.4	6.00	17.3	
Total BTEX	<0.300	0.300	05/01/2013	ND					

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

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/29/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2013	ND	187	93.7	200	0.455	
DRO >C10-C28	**89.9**	10.0	04/30/2013	ND	181	90.6	200	0.160	
EXT DRO >C28-C35	**16.6**	10.0	04/30/2013	ND					

Surrogate: 1-Chlorooctane *84.5 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *91.5 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/29/2013	Sampling Date:	04/26/2013
Reported:	05/06/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC B NORTH WALL #2B (H301002-04)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2013	ND	2.04	102	2.00	18.6	
Toluene*	<0.050	0.050	05/01/2013	ND	1.86	92.9	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/01/2013	ND	1.98	99.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	05/01/2013	ND	5.91	98.4	6.00	17.3	
Total BTEX	<0.300	0.300	05/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	04/29/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2013	ND	187	93.7	200	0.455	
DRO >C10-C28	<10.0	10.0	04/30/2013	ND	181	90.6	200	0.160	
EXT DRO >C28-C35	<10.0	10.0	04/30/2013	ND					

Surrogate: 1-Chlorooctane *77.4 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *81.3 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/29/2013	Sampling Date:	04/26/2013
Reported:	05/06/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: EXC B EAST WALL #2B (H301002-05)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2013	ND	2.04	102	2.00	18.6	
Toluene*	<0.050	0.050	05/01/2013	ND	1.86	92.9	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/01/2013	ND	1.98	99.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	05/01/2013	ND	5.91	98.4	6.00	17.3	
Total BTEX	<0.300	0.300	05/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/29/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2013	ND	187	93.7	200	0.455	
DRO >C10-C28	**69.2**	10.0	04/30/2013	ND	181	90.6	200	0.160	
EXT DRO >C28-C35	**15.5**	10.0	04/30/2013	ND					

Surrogate: 1-Chlorooctane *82.4 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *92.6 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/29/2013	Sampling Date:	04/26/2013
Reported:	05/06/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: MIDDLE EXC SOUTH WALL #1 (H301002-06)

BTEX 8021B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2013	ND	2.04	102	2.00	18.6	
Toluene*	<0.050	0.050	05/01/2013	ND	1.86	92.9	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/01/2013	ND	1.98	99.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	05/01/2013	ND	5.91	98.4	6.00	17.3	
Total BTEX	<0.300	0.300	05/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	04/29/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2013	ND	187	93.7	200	0.455	
DRO >C10-C28	<10.0	10.0	04/30/2013	ND	181	90.6	200	0.160	
EXT DRO >C28-C35	<10.0	10.0	04/30/2013	ND					

Surrogate: 1-Chlorooctane *71.8 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *77.2 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/29/2013	Sampling Date:	04/26/2013
Reported:	05/06/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: MIDDLE FLOOR DRILL LOCATION (H301002-07)

BTEX 8021B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2013	ND	2.04	102	2.00	18.6	
Toluene*	<0.050	0.050	05/01/2013	ND	1.86	92.9	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/01/2013	ND	1.98	99.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	05/01/2013	ND	5.91	98.4	6.00	17.3	
Total BTEX	<0.300	0.300	05/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	04/29/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2013	ND	187	93.7	200	0.455	
DRO >C10-C28	**161**	10.0	04/30/2013	ND	181	90.6	200	0.160	
EXT DRO >C28-C35	**65.9**	10.0	04/30/2013	ND					

Surrogate: 1-Chlorooctane *82.1 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *99.9 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/29/2013	Sampling Date:	04/26/2013
Reported:	05/06/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: BGT SOUTH WALL (H301002-08)

BTEX 8021B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2013	ND	2.04	102	2.00	18.6	
Toluene*	<0.050	0.050	05/01/2013	ND	1.86	92.9	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/01/2013	ND	1.98	99.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	05/01/2013	ND	5.91	98.4	6.00	17.3	
Total BTEX	<0.300	0.300	05/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	04/29/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2013	ND	176	88.2	200	5.89	
DRO >C10-C28	<10.0	10.0	04/30/2013	ND	168	84.1	200	9.89	
EXT DRO >C28-C35	<10.0	10.0	04/30/2013	ND					

Surrogate: 1-Chlorooctane *72.9 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *75.3 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/29/2013	Sampling Date:	04/26/2013
Reported:	05/06/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: BGT FLOOR (H301002-09)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2013	ND	2.04	102	2.00	18.6	
Toluene*	<0.100	0.100	05/01/2013	ND	1.86	92.9	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/01/2013	ND	1.98	99.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	05/01/2013	ND	5.91	98.4	6.00	17.3	
Total BTEX	<0.350	0.350	05/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	04/29/2013	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2013	ND	176	88.2	200	5.89	
DRO >C10-C28	<10.0	10.0	04/30/2013	ND	168	84.1	200	9.89	
EXT DRO >C28-C35	<10.0	10.0	04/30/2013	ND					

Surrogate: 1-Chlorooctane *84.9 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *91.8 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Basin Environmental		BILL TO	
Project Manager: Joel Lowry		P.O. #:	
Address: 3100 Plains Hwy		Company: Southern Union	
City: Lovington, State: NM Zip: 88260		Attn: Rose Slade Cyndi Emerson	
Phone #: Fax #:		Address:	
Project #: Project Owner:		City:	
Project Name: Trunk M#2 Drip Tanks		State: Zip:	
Project Location:		Phone #:	
Sampler Name: Joel Lowry		Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	BTEX	TPH
H301002																	
1	Exc A. North Wall #1b	b	1			X					X		4/26	9:00	X	X	X
2	Exc A. East Wall #3b	b	1			X					X		4/26	9:30	X	X	X
3	Exc B. North Wall #1b	b	1			X					X		4/26	10:00	X	X	X
4	Exc. B North Wall #2b	b	1			X					X		4/26	10:30	X	X	X
5	Exc B East Wall #2b	b	1			X					X		4/26	11:00	X	X	X
6	Middle Exc South Wall #1	b	1			X					X		4/26	11:30	X	X	X
7	Middle Floor Drill Location	b	1			X					X		4/26	12:00	X	X	X
8	BGT South Wall	b	1			X					X		4/26	12:30	X	X	X
9	BGT Floor	b	1			X					X		4/26	1:00	X	X	X

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 negligence 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 consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Joel Lowry	Date: 4/29/13 Time: 8:50	Received By: Jodi Henson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #: REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3°C	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)

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

CARDINAL Laboratories

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

May 03, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: TRUNK M #2 DRIP TANKS

Enclosed are the results of analyses for samples received by the laboratory on 05/02/13 15:07.

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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/02/2013	Sampling Date:	05/02/2013
Reported:	05/03/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: MIDDLE EX-N WALL #1A (H301047-01)

BTEX 8021B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2013	ND	1.75	87.7	2.00	15.9	
Toluene*	<0.050	0.050	05/03/2013	ND	1.65	82.6	2.00	14.7	
Ethylbenzene*	<0.050	0.050	05/03/2013	ND	1.73	86.5	2.00	16.9	
Total Xylenes*	<0.150	0.150	05/03/2013	ND	5.15	85.8	6.00	17.6	
Total BTEX	<0.300	0.300	05/03/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	05/03/2013	ND	416	104	400	0.00	

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	05/02/2013	ND	196	98.0	200	1.07	
DRO >C10-C28	<10.0	10.0	05/02/2013	ND	193	96.7	200	0.628	
EXT DRO >C28-C35	<10.0	10.0	05/02/2013	ND					

Surrogate: 1-Chlorooctane *84.4 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *97.5 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/02/2013	Sampling Date:	05/02/2013
Reported:	05/03/2013	Sampling Type:	Soil
Project Name:	TRUNK M #2 DRIP TANKS	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: MIDDLE EX-N WALL #2 (H301047-02)

BTEX 8021B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2013	ND	1.75	87.7	2.00	15.9	
Toluene*	<0.050	0.050	05/03/2013	ND	1.65	82.6	2.00	14.7	
Ethylbenzene*	<0.050	0.050	05/03/2013	ND	1.73	86.5	2.00	16.9	
Total Xylenes*	<0.150	0.150	05/03/2013	ND	5.15	85.8	6.00	17.6	
Total BTEX	<0.300	0.300	05/03/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/03/2013	ND	416	104	400	0.00	

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	05/02/2013	ND	196	98.0	200	1.07	
DRO >C10-C28	<10.0	10.0	05/02/2013	ND	193	96.7	200	0.628	
EXT DRO >C28-C35	<10.0	10.0	05/02/2013	ND					

Surrogate: 1-Chlorooctane *102 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *115 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	BASIN ENVIRONMENTAL	**BILL TO**	
Project Manager:	Joel Lowry	P.O. #:	
Address:	2800 Plains Hwy	Company:	SUGS
City:	Lovington State: NM Zip:	Attn:	Rose Slade
Phone #:	432-466-4450 Fax #:	Address:	
Project #:	Project Owner: SUGS	City:	
Project Name:	Trunk M#2 Drip Tanks	State: Zip:	
Project Location:		Phone #:	
Sampler Name:	TROY NAHN	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	Chlorides	BTEX								
H301047																									
1	Middle Ex. North Wall #1a	G	1			X					X		05/02/13	1000	✓	✓	✓								
2	Middle Ex North Wall #2	G	1			X					X		05/02/13	1100	✓	✓	✓								

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 negligence 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 consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Troy Nahn	Date: 05/02/13 Time: 1307	Received By: Jodi Henson	Phone Result: ☑ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☑ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	4°C	Sample Condition Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)

REMARKS: RUSH!!

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

#54

Summary Report

(Corrected Report)

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

Report Date: November 10, 2014

Work Order: 14102203

Project Location: Lea Co, NM
Project Name: Regency/Trunk M2 Drip Tanks
Project Number: 7030714G043

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
377607	SB-1 14-15’	soil	2014-10-21	10:00	2014-10-22
377608	SB-1 19-20’	soil	2014-10-21	10:10	2014-10-22
377610	SB-2 14-15’	soil	2014-10-21	13:00	2014-10-22
377611	SB-2 19-20’	soil	2014-10-21	13:15	2014-10-22
377612	SB-2 24-25’	soil	2014-10-21	13:30	2014-10-22
377613	SB-2 29-30’	soil	2014-10-21	13:45	2014-10-22
377614	SB-2 39-40’	soil	2014-10-21	14:00	2014-10-22

Sample - Field Code	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
377607 - SB-1 14-15’	**380** Qr,Qs	**6.95**
377608 - SB-1 19-20’	**378** Qr,Qs	**13.0**
377610 - SB-2 14-15’	**1960** Qr,Qs	**2680**
377611 - SB-2 19-20’	**1430** Qr,Qs	**2750**
377612 - SB-2 24-25’	**1050**	**278** Qs
377613 - SB-2 29-30’	**578**	**48.4** Qs
377614 - SB-2 39-40’	**1130**	**127** Qs

Sample: 377607 - SB-1 14-15’

Param	Flag	Result	Units	RL
Chloride		**237**	mg/Kg	4

Sample: 377608 - SB-1 19-20'

Param	Flag	Result	Units	RL
Chloride		**194**	mg/Kg	4

Sample: 377610 - SB-2 14-15'

Param	Flag	Result	Units	RL
Chloride		**291**	mg/Kg	4

Sample: 377611 - SB-2 19-20'

Param	Flag	Result	Units	RL
Chloride		**340**	mg/Kg	4

Sample: 377612 - SB-2 24-25'

Param	Flag	Result	Units	RL
Chloride		**340**	mg/Kg	4

Sample: 377613 - SB-2 29-30'

Param	Flag	Result	Units	RL
Chloride		**291**	mg/Kg	4

Sample: 377614 - SB-2 39-40'

Param	Flag	Result	Units	RL
Chloride		**243**	mg/Kg	4

TRACEANALYSIS, INC.

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

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

(Corrected Report)

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

Report Date: November 10, 2014

Work Order: 14102203

Project Location: Lea Co, NM
Project Name: Regency/Trunk M2 Drip Tanks
Project Number: 7030714G043

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

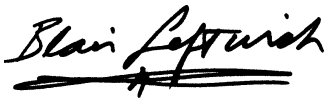
Sample	Description	Matrix	Date Taken	Time Taken	Date Received
377607	SB-1 14-15'	soil	2014-10-21	10:00	2014-10-22
377608	SB-1 19-20'	soil	2014-10-21	10:10	2014-10-22
377610	SB-2 14-15'	soil	2014-10-21	13:00	2014-10-22
377611	SB-2 19-20'	soil	2014-10-21	13:15	2014-10-22
377612	SB-2 24-25'	soil	2014-10-21	13:30	2014-10-22
377613	SB-2 29-30'	soil	2014-10-21	13:45	2014-10-22
377614	SB-2 39-40'	soil	2014-10-21	14:00	2014-10-22

Report Corrections (Work Order 14102203)

- 10/30/2014-377612-614 added for DRO/GRO/Cl with hold time expiring 11/4.

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

This report consists of a total of 30 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



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

Report Contents

Case Narrative

Samples for project Regency/Trunk M2 Drip Tanks were received by TraceAnalysis, Inc. on 2014-10-22 and assigned to work order 14102203. Samples for work order 14102203 were received intact at a temperature of 4.5 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (Titration)	SM 4500-Cl B	98708	2014-10-28 at 15:46	116738	2014-10-29 at 09:55
Chloride (Titration)	SM 4500-Cl B	98742	2014-10-29 at 19:07	116802	2014-10-30 at 12:59
Chloride (Titration)	SM 4500-Cl B	98786	2014-10-31 at 10:13	116843	2014-10-31 at 12:33
TPH DRO - NEW	S 8015 D	98619	2014-10-23 at 12:00	116624	2014-10-24 at 09:17
TPH DRO - NEW	S 8015 D	98788	2014-10-31 at 12:51	116874	2014-11-03 at 08:04
TPH GRO	S 8015 D	98673	2014-10-27 at 07:25	116702	2014-10-28 at 07:43
TPH GRO	S 8015 D	98838	2014-11-03 at 12:29	116912	2014-11-03 at 12:29
TPH GRO	S 8015 D	98899	2014-11-05 at 14:41	116984	2014-11-05 at 14:41

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 14102203 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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

Analytical Report

Sample: 377607 - SB-1 14-15'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116738	Date Analyzed:	2014-10-29	Analyzed By:	MM
Prep Batch:	98708	Sample Preparation:	2014-10-28	Prepared By:	MM

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Chloride			**237**	mg/Kg	5	4.00

Sample: 377607 - SB-1 14-15'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	116624	Date Analyzed:	2014-10-24	Analyzed By:	SC
Prep Batch:	98619	Sample Preparation:	2014-10-23	Prepared By:	SC

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
DRO	Qr,Qs	5	**380**	mg/Kg	1	50.0

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

Sample: 377607 - SB-1 14-15'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	116702	Date Analyzed:	2014-10-28	Analyzed By:	AK
Prep Batch:	98673	Sample Preparation:	2014-10-27	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
GRO		5	**6.95**	mg/Kg	1	4.00

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

continued ...

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)			1.60	mg/Kg	1	2.00	80	70 - 130

Sample: 377608 - SB-1 19-20'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116802	Date Analyzed:	2014-10-30	Analyzed By:	MM
Prep Batch:	98742	Sample Preparation:	2014-10-29	Prepared By:	MM

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride			**194**		mg/Kg	5	4.00

Sample: 377608 - SB-1 19-20'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	116624	Date Analyzed:	2014-10-24	Analyzed By:	SC
Prep Batch:	98619	Sample Preparation:	2014-10-23	Prepared By:	SC

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
DRO	Qr,Qs	5	**378**		mg/Kg	1	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr		144	mg/Kg	1	100	144	70 - 130

Sample: 377608 - SB-1 19-20'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	116702	Date Analyzed:	2014-10-28	Analyzed By:	AK
Prep Batch:	98673	Sample Preparation:	2014-10-27	Prepared By:	AK

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
GRO		5	**13.0**		mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.76	mg/Kg	1	2.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)			2.52	mg/Kg	1	2.00	126	70 - 130

Sample: 377610 - SB-2 14-15'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116802	Date Analyzed:	2014-10-30	Analyzed By:	MM
Prep Batch:	98742	Sample Preparation:	2014-10-29	Prepared By:	MM

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride			**291**		mg/Kg	5	4.00

Sample: 377610 - SB-2 14-15'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	116624	Date Analyzed:	2014-10-24	Analyzed By:	SC
Prep Batch:	98619	Sample Preparation:	2014-10-23	Prepared By:	SC

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
DRO	Qr,Qs	5	**1960**		mg/Kg	1	50.0

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr		168	mg/Kg	1	100	168	70 - 130

Sample: 377610 - SB-2 14-15'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	116702	Date Analyzed:	2014-10-28	Analyzed By:	AK
Prep Batch:	98673	Sample Preparation:	2014-10-27	Prepared By:	AK

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
GRO		5	**2680**		mg/Kg	50	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			82.5	mg/Kg	50	100	82	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr Qsr		143	mg/Kg	50	100	143	70 - 130

Sample: 377611 - SB-2 19-20'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116802	Date Analyzed:	2014-10-30	Analyzed By:	MM
Prep Batch:	98742	Sample Preparation:	2014-10-29	Prepared By:	MM

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride			**340**		mg/Kg	5	4.00

Sample: 377611 - SB-2 19-20'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	116624	Date Analyzed:	2014-10-24	Analyzed By:	SC
Prep Batch:	98619	Sample Preparation:	2014-10-23	Prepared By:	SC

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
DRO	Qr,Qs	5	**1430**		mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr Qsr		148	mg/Kg	1	100	148	70 - 130

Sample: 377611 - SB-2 19-20'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	116702	Date Analyzed:	2014-10-28	Analyzed By:	AK
Prep Batch:	98673	Sample Preparation:	2014-10-27	Prepared By:	AK

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
GRO		5	**2750**		mg/Kg	50	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			82.2	mg/Kg	50	100	82	70 - 130
4-Bromofluorobenzene (4-BFB)			128	mg/Kg	50	100	128	70 - 130

Sample: 377612 - SB-2 24-25'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116843	Date Analyzed:	2014-10-31	Analyzed By:	MM
Prep Batch:	98786	Sample Preparation:	2014-10-31	Prepared By:	MM

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride			**340**		mg/Kg	5	4.00

Sample: 377612 - SB-2 24-25'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	116874	Date Analyzed:	2014-11-03	Analyzed By:	SC
Prep Batch:	98788	Sample Preparation:	2014-10-31	Prepared By:	SC

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
DRO		5	**1050**		mg/Kg	1	50.0

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

Sample: 377612 - SB-2 24-25'

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	116912	Date Analyzed:	2014-11-03	Analyzed By:	JS
Prep Batch:	98838	Sample Preparation:	2014-11-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
GRO	Qs	1,2,3,4	**278**		mg/Kg	2	4.00

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			3	1.79	mg/Kg	2	2.00	90	73 - 122
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	3	9.58	mg/Kg	2	2.00	479	74.6 - 120

Sample: 377613 - SB-2 29-30'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116843	Date Analyzed:	2014-10-31	Analyzed By:	MM
Prep Batch:	98786	Sample Preparation:	2014-10-31	Prepared By:	MM

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Chloride			**291**		mg/Kg	5	4.00

Sample: 377613 - SB-2 29-30'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	116874	Date Analyzed:	2014-11-03	Analyzed By:	SC
Prep Batch:	98788	Sample Preparation:	2014-10-31	Prepared By:	SC

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
DRO		5	**578**		mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			121	mg/Kg	1	100	121	70 - 130

Sample: 377613 - SB-2 29-30'

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	116912	Date Analyzed:	2014-11-03	Analyzed By:	JS
Prep Batch:	98838	Sample Preparation:	2014-11-03	Prepared By:	JS

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
GRO	Qs	1,2,3,4	**48.4**		mg/Kg	1	4.00

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			3	1.97	mg/Kg	1	2.00	98	73 - 122
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	3	3.09	mg/Kg	1	2.00	154	74.6 - 120

Sample: 377614 - SB-2 39-40'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	116843	Date Analyzed:	2014-10-31	Analyzed By:	MM
Prep Batch:	98786	Sample Preparation:	2014-10-31	Prepared By:	MM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			**243**	mg/Kg	5	4.00

Sample: 377614 - SB-2 39-40'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	116874	Date Analyzed:	2014-11-03	Analyzed By:	SC
Prep Batch:	98788	Sample Preparation:	2014-10-31	Prepared By:	SC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		5	**1130**	mg/Kg	1	50.0

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

Sample: 377614 - SB-2 39-40'

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	116984	Date Analyzed:	2014-11-05	Analyzed By:	MT
Prep Batch:	98899	Sample Preparation:	2014-11-05	Prepared By:	MT

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qs	1,2,3,4	**127**	mg/Kg	1	4.00

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			3	1.86	mg/Kg	1	2.00	93	73 - 122
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	3	6.65	mg/Kg	1	2.00	332	74.6 - 120

Method Blanks

Method Blank (1) QC Batch: 116624

QC Batch: 116624 | Date Analyzed: 2014-10-24 | Analyzed By: SC
Prep Batch: 98619 | QC Preparation: 2014-10-23 | Prepared By: SC

Parameter	Flag	Cert	MDL Result	Units	RL
DRO		5	<7.41	mg/Kg	50

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			98.6	mg/Kg	1	100	99	70 - 130

Method Blank (1) QC Batch: 116702

QC Batch: 116702 | Date Analyzed: 2014-10-28 | Analyzed By: AK
Prep Batch: 98673 | QC Preparation: 2014-10-27 | Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
GRO		5	<2.32	mg/Kg	4

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.74	mg/Kg	1	2.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)			1.69	mg/Kg	1	2.00	84	70 - 130

Method Blank (1) QC Batch: 116738

QC Batch: 116738 | Date Analyzed: 2014-10-29 | Analyzed By: MM
Prep Batch: 98708 | QC Preparation: 2014-10-28 | Prepared By: WK

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

Method Blank (1) QC Batch: 116802

QC Batch: 116802 | Date Analyzed: 2014-10-30 | Analyzed By: MM
Prep Batch: 98742 | QC Preparation: 2014-10-29 | Prepared By: MM

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

Method Blank (1) QC Batch: 116843

QC Batch: 116843 | Date Analyzed: 2014-10-31 | Analyzed By: MM
Prep Batch: 98786 | QC Preparation: 2014-10-31 | Prepared By: MM

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

Method Blank (1) QC Batch: 116874

QC Batch: 116874 | Date Analyzed: 2014-11-03 | Analyzed By: SC
Prep Batch: 98788 | QC Preparation: 2014-10-31 | Prepared By: SC

Parameter	Flag	Cert	MDL Result	Units	RL
DRO		5	<7.41	mg/Kg	50

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

Method Blank (1) QC Batch: 116912

QC Batch: 116912 | Date Analyzed: 2014-11-03 | Analyzed By: JS
Prep Batch: 98838 | QC Preparation: 2014-11-03 | Prepared By: JS

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	2.14	mg/Kg	1	2.00	107	73 - 122
4-Bromofluorobenzene (4-BFB)		3	1.72	mg/Kg	1	2.00	86	74.6 - 120

Method Blank (1) QC Batch: 116984

QC Batch:	116984	Date Analyzed:	2014-11-05	Analyzed By:	MT
Prep Batch:	98899	QC Preparation:	2014-11-05	Prepared By:	MT

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3	2.01	mg/Kg	1	2.00	100	73 - 122
4-Bromofluorobenzene (4-BFB)		3	1.76	mg/Kg	1	2.00	88	74.6 - 120

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 116624 | Date Analyzed: 2014-10-24 | Analyzed By: SC
Prep Batch: 98619 | QC Preparation: 2014-10-23 | Prepared By: SC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		[5]	249	mg/Kg	1	250	<7.41	100	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		[5]	252	mg/Kg	1	250	<7.41	101	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	101	99.7	mg/Kg	1	100	101	100	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 116702 | Date Analyzed: 2014-10-28 | Analyzed By: AK
Prep Batch: 98673 | QC Preparation: 2014-10-27 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		[5]	24.1	mg/Kg	1	20.0	<2.32	120	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		[5]	24.0	mg/Kg	1	20.0	<2.32	120	70 - 130	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.83	1.83	mg/Kg	1	2.00	92	92	70 - 130
4-Bromofluorobenzene (4-BFB)	1.92	1.85	mg/Kg	1	2.00	96	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 116738 | Date Analyzed: 2014-10-29 | Analyzed By: MM
Prep Batch: 98708 | QC Preparation: 2014-10-28 | Prepared By: WK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2610	mg/Kg	5	2500	<19.2	104	85 - 115

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2610	mg/Kg	5	2500	<19.2	104	85 - 115	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 116802 | Date Analyzed: 2014-10-30 | Analyzed By: MM
Prep Batch: 98742 | QC Preparation: 2014-10-29 | Prepared By: MM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2670	mg/Kg	5	2500	<19.2	107	85 - 115

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2670	mg/Kg	5	2500	<19.2	107	85 - 115	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 116843 | Date Analyzed: 2014-10-31 | Analyzed By: MM
Prep Batch: 98786 | QC Preparation: 2014-10-31 | Prepared By: MM

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

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

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

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

Laboratory Control Spike (LCS-1)

QC Batch: 116874 | Date Analyzed: 2014-11-03 | Analyzed By: SC
Prep Batch: 98788 | QC Preparation: 2014-10-31 | Prepared By: SC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		[5]	274	mg/Kg	1	250	<7.41	110	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		[5]	262	mg/Kg	1	250	<7.41	105	70 - 130	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	110	110	mg/Kg	1	100	110	110	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 116912 | Date Analyzed: 2014-11-03 | Analyzed By: JS
Prep Batch: 98838 | QC Preparation: 2014-11-03 | Prepared By: JS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		[1,2,3,4]	17.8	mg/Kg	1	20.0	0.54	89	60.1 - 120

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		[1,2,3,4]	19.9	mg/Kg	1	20.0	0.54	100	60.1 - 120	11	20

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

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	[3]	1.90	2.03	mg/Kg	1	2.00	95	102	73 - 122
4-Bromofluorobenzene (4-BFB)	[3]	1.95	2.04	mg/Kg	1	2.00	98	102	74.6 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 116984 | Date Analyzed: 2014-11-05 | Analyzed By: MT
Prep Batch: 98899 | QC Preparation: 2014-11-05 | Prepared By: MT

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		[1,2,3,4]	19.2	mg/Kg	1	20.0	<0.217	96	60.1 - 120

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		[1,2,3,4]	18.8	mg/Kg	1	20.0	<0.217	94	60.1 - 120	2	20

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

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	[3]	1.99	2.02	mg/Kg	1	2.00	100	101	73 - 122
4-Bromofluorobenzene (4-BFB)	[3]	1.94	1.96	mg/Kg	1	2.00	97	98	74.6 - 120

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 377607

QC Batch: 116624 | Date Analyzed: 2014-10-24 | Analyzed By: SC
Prep Batch: 98619 | QC Preparation: 2014-10-23 | Prepared By: SC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		5	705	mg/Kg	1	250	380	130	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	Qr,Qs	Qr,Qs 5	497	mg/Kg	1	250	380	47	70 - 130	35	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	130	125	mg/Kg	1	100	130	125	70 - 130

Matrix Spike (MS-1) Spiked Sample: 377139

QC Batch: 116702 | Date Analyzed: 2014-10-28 | Analyzed By: AK
Prep Batch: 98673 | QC Preparation: 2014-10-27 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		5	14.4	mg/Kg	1	20.0	<2.32	72	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO		5	14.8	mg/Kg	1	20.0	<2.32	74	70 - 130	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.70	1.67	mg/Kg	1	2	85	84	70 - 130
4-Bromofluorobenzene (4-BFB)	2.02	2.03	mg/Kg	1	2	101	102	70 - 130

Matrix Spike (MS-1) Spiked Sample: 377607

QC Batch: 116738 | Date Analyzed: 2014-10-29 | Analyzed By: MM
Prep Batch: 98708 | QC Preparation: 2014-10-28 | Prepared By: WK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2510	mg/Kg	5	2500	237	91	78.9 - 121

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2650	mg/Kg	5	2500	237	96	78.9 - 121	5	20

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

Matrix Spike (MS-1) Spiked Sample: 377876

QC Batch: 116802 | Date Analyzed: 2014-10-30 | Analyzed By: MM
Prep Batch: 98742 | QC Preparation: 2014-10-29 | Prepared By: MM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			7280	mg/Kg	50	2500	4850	97	78.9 - 121

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			7770	mg/Kg	50	2500	4850	117	78.9 - 121	6	20

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

Matrix Spike (MS-1) Spiked Sample: 377614

QC Batch: 116843 | Date Analyzed: 2014-10-31 | Analyzed By: MM
Prep Batch: 98786 | QC Preparation: 2014-10-31 | Prepared By: MM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride			2910	mg/Kg	5	2500	<19.2	116	78.9 - 121

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride			2820	mg/Kg	5	2500	<19.2	103	78.9 - 121	3	20

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

Matrix Spike (xMS-1) Spiked Sample: 378297

QC Batch: 116874 | Date Analyzed: 2014-11-03 | Analyzed By: SC
Prep Batch: 98788 | QC Preparation: 2014-10-31 | Prepared By: SC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		5	431	mg/Kg	1	250	158	109	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		5	417	mg/Kg	1	250	158	104	70 - 130	3	20

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

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

Matrix Spike (MS-1) Spiked Sample: 377612

QC Batch: 116912 | Date Analyzed: 2014-11-03 | Analyzed By: JS
Prep Batch: 98838 | QC Preparation: 2014-11-03 | Prepared By: JS

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	Qs	Qs	1,2,3,4	268	mg/Kg	2	20.0	278	-50	40.3 - 120

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

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	Qs	Qs	1,2,3,4	284	mg/Kg	2	20.0	278	30	40.3 - 120	6	20

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

Surrogate				MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			3	1.62	1.62	mg/Kg	2	2	81	81	73 - 122
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	3	8.58	9.32	mg/Kg	2	2	429	466	74.6 - 120

Matrix Spike (MS-1) Spiked Sample: 377614

QC Batch: 116984 | Date Analyzed: 2014-11-05 | Analyzed By: MT
Prep Batch: 98899 | QC Preparation: 2014-11-05 | Prepared By: MT

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO		1,2,3,4	149	mg/Kg	2	20.0	127	110	40.3 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	Qs	Qs	1,2,3,4	135	mg/Kg	2	20.0	127	40	40.3 - 120	10	20

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

Surrogate				MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			3	1.73	1.57	mg/Kg	2	2	86	78	73 - 122
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	3	6.38	5.94	mg/Kg	2	2	319	297	74.6 - 120

Calibration Standards

Standard (CCV-1)

QC Batch: 116624 | Date Analyzed: 2014-10-24 | Analyzed By: SC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		5	mg/Kg	250	237	95	80 - 120	2014-10-24

Standard (CCV-2)

QC Batch: 116624 | Date Analyzed: 2014-10-24 | Analyzed By: SC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		5	mg/Kg	250	243	97	80 - 120	2014-10-24

Standard (CCV-1)

QC Batch: 116702 | Date Analyzed: 2014-10-28 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		5	mg/Kg	1.00	1.02	102	80 - 120	2014-10-28

Standard (CCV-2)

QC Batch: 116702 | Date Analyzed: 2014-10-28 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		5	mg/Kg	1.00	0.916	92	80 - 120	2014-10-28

Standard (ICV-1)

QC Batch: 116738 Date Analyzed: 2014-10-29 Analyzed By: MM

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

Standard (CCV-1)

QC Batch: 116738 Date Analyzed: 2014-10-29 Analyzed By: MM

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

Standard (ICV-1)

QC Batch: 116802 Date Analyzed: 2014-10-30 Analyzed By: MM

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	100	100	85 - 115	2014-10-30

Standard (CCV-1)

QC Batch: 116802 Date Analyzed: 2014-10-30 Analyzed By: MM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	100	100	85 - 115	2014-10-30

Standard (ICV-1)

QC Batch: 116843 Date Analyzed: 2014-10-31 Analyzed By: MM

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	100	100	85 - 115	2014-10-31

Standard (CCV-1)

QC Batch: 116843 Date Analyzed: 2014-10-31 Analyzed By: MM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride			mg/Kg	100	100	100	85 - 115	2014-10-31

Standard (CCV-1)

QC Batch: 116874 Date Analyzed: 2014-11-03 Analyzed By: SC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		5	mg/Kg	250	244	98	80 - 120	2014-11-03

Standard (CCV-2)

QC Batch: 116874 Date Analyzed: 2014-11-03 Analyzed By: SC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		5	mg/Kg	250	259	104	80 - 120	2014-11-03

Standard (CCV-1)

QC Batch: 116912 Date Analyzed: 2014-11-03 Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1,2,3,4	mg/Kg	1.00	0.957	96	80 - 120	2014-11-03

Standard (CCV-2)

QC Batch: 116912 Date Analyzed: 2014-11-03 Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1,2,3,4	mg/Kg	1.00	1.08	108	80 - 120	2014-11-03

Standard (CCV-1)

QC Batch: 116984 Date Analyzed: 2014-11-05 Analyzed By: MT

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1,2,3,4	mg/Kg	1.00	1.03	103	80 - 120	2014-11-05

Standard (CCV-2)

QC Batch: 116984 Date Analyzed: 2014-11-05 Analyzed By: MT

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1,2,3,4	mg/Kg	1.00	1.02	102	80 - 120	2014-11-05

Appendix

Report Definitions

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

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	PJLA	L14-93	Lubbock
2	Kansas	Kansas E-10317	Lubbock
3	LELAP	LELAP-02003	Lubbock
4	NELAP	T104704219-14-10	Lubbock
5	NELAP	T104704392-14-8	Midland

Standard Flags

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

F	Description
U	The analyte is not detected above the SDL

Attachments

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

LAB Order ID # 141022203

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

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

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

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

Company Name: Apex — **Phone #:**

Address: (Street, City, Zip) — **Fax #:**

Contact Person: Thomas Franklin — **E-mail:** tfranklin@apexcos.com

Invoice to: (If different from above) Direct Bill to Regency

Project #: 70307146043 — **Project Name:** Regency-Trunk Mo Drip tanks

Project Location (including state): Lea Co, NM — **Sampler Signature:**

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
377607	SB-1 (14'-15')	1	4oz		X									10/21/14	1000
608	(19'-20')	1			X										1010
609	(24'-25')	1			X										1020
610	SB-2 (14'-15')	1			X										1300
611	(19'-20')	1			X										1315
612	(24'-25')	1			X										1330
613	(29'-30')	1			X										1345
614	(39'-40')	1			X										1400

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	
BTEX 8021 / 602 / 8260 / 624	
TPH 418.1 / TX1005 / TX1005 Ext(C35)	
TPH 8015 GRO / DRO / TVHC	X
PAH 8270 / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol. 8260 / 624	
GC/MS Semi. Vol. 8270 / 625	
PCB's 8082 / 608	
Pesticides 8081 / 608	
BOD, TSS, pH	
Moisture Content	
Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	X
Na, Ca, Mg, K, TDS, EC	
Turn Around Time if different from standard	
(Hold)	X (on 609, 610, 612, 613, 614)

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Apex	10/22/2014	8:48		TA	10/22/14	8:48	INST Wet OBS 4.6 °C COR 4.5 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ °C OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ °C OBS ____ °C COR ____ °C

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

REMARKS: Normal Turn Around
Direct bill Regency
Hold samples

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

Carrier # Carry

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

ORIGINAL COPY

LAB Order ID # 141022203

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

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

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

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

Company Name: Apex — **Phone #:**

Address: (Street, City, Zip) — **Fax #:**

Contact Person: Thomas Franklin — **E-mail:** tfranklin@apexcos.com

Invoice to: (If different from above) Direct Bill to Regency

Project #: 703071460413 — **Project Name:** Regency-Trunk Mn Drip tanks

Project Location (including state): Lea Co, NM — **Sampler Signature:**

ANALYSIS REQUEST (Circle or Specify Method No.)

Added 10/31/14 per Thomas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
377607	SB-1 (14'-15')	1	4oz		X									10/21/14	1000
608	(19'-20')	1			X										1010
609	(24'-25')	1			X										1020
610	SB-2 (14'-15')	1			X										1300
611	(19'-20')	1			X										1315
612	(24'-25')	1			X										1330
613	(29'-30')	1			X										1345
614	(39'-40')	1			X										1400

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
	Apex	10/22/2014	8:48		TA	10/22/14	8:48

INST Ky
OBS 4.6 °C
COR 4.5 °C

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

REMARKS:
Normal Turn Around
Direct bill Regency
Hold samples

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

Report Sent 10/30/14 AJ

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

Carrier # Carry

ORIGINAL COPY

APPENDIX F

Initial and Final C-144

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Southern Union Gas Services Telephone: 575-395-2116 e-mail address: tony.savoie @sug.com
Address: P.O. Box 1226 Jal, New Mexico 88252
Facility or well name: Trunk M#2 Drip Tanks API #: _____ U/L or Qtr/Qtr B Sec 31 T 23 S R 37E
County: Lea Latitude 32 deg. 15 838N Longitude 103 deg 11.975W NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☐ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness _____mil Clay ☐ Pit Volume _____bbl	Volume. _210_bbl Type of fluid. __Produced water and crude oil Construction material: __Steel_____ Double-walled, with leak detection? Yes ☐ If not, explain why not. __Tank was installed by EPNG before the BGT regulations were written__	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) Average 109 ft.	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) WTR 110
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.) No, 2753 Horiz. Ft. to a private water well	Yes No	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.) 4.83 Horizontal miles to a playa and an intermittent water course.	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	0 Points

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☐ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: The Below Grade Tank will be removed in accordance with the NMOCD proposed Pit and Below Grade Tank Rules.

RECEIVED
MAR 19 2008
HOBBS OCD

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: 3/19/08
Printed Name/ Tony Savoie
Title Waste Management and Remediation Specialist Signature Tony Savoie

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or

Approval:
Printed Name/Title _____ Signature _____ Date: 3.18.08
ENVIRONMENTAL ENGINEER
1RP-1819

fCoH0808037171

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

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☒ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Regency Field Services LLC. OGRID #: N/A
Address: 421 West 3rd Street, Suite 250, Ft. Worth, TX 76102
Facility or well name: Trunk M-2 Drip Tanks
API Number: _____ OCD Permit Number: _____
U/L or Qtr/Qtr G Section 31 Township 23S Range 37E County: Lea
Center of Proposed Design: Latitude 32.263963 Longitude -103.199587 NAD: ☐1927 ☐ 1983
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 210 bbl Type of fluid: Produced Water and Crude Oil
Tank Construction material: Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other Tank was installed by EPNG before the BGT regulations were written
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify_____

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☒ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.

Proposed Closure: 19.15.17.13 NMAC

Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
  - ☐ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method

14.

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.

Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.

On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

18.

OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** _____

Title: _____ **OCD Permit Number:** _____

19.

Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ **Closure Completion Date:** _____

20.

Closure Method:

☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain.

21.

Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ☒ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☒ Disposal Facility Name and Permit Number
- ☒ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐ 1927 ☐ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Crystal Callaway Title: Sr. Env. Remediation Spec.

Signature: Crystal Callaway Date: 1/15/15

e-mail address: Crystal.Callaway@kindermorgan.com Telephone: