

## **REMEDIATION SUMMARY AND**

## SITE CLOSURE REQUEST

ETC FIELD SERVICES, LLC A-14 Compressor Station (Below Ground Sump) Release Lea County, New Mexico UNIT LTR "I", Section 6, Township 24 South, Range 35 East, NMPM Latitude 32.246183° North, Longitude 103.402000° West NMOCD Reference # 1RP-4635

> **APPROVED** By Olivia Yu at 2:24 pm, Dec 19, 2017

Prepared For:

ETC Field Services, LLC 800 East Sonterra San Antonio, Texas 78258

NMOCD approves 1RP-4635 for closure.

Prepared By:

**TRC Environmental Corporation** 2057 Commerce Midland, Texas 79703

October 2017

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#### **INTRODUCTION**

TRC Environmental Corporation (TRC), on behalf of ETC Field Services, LLC (ETC), has prepared this Remediation Summary and Site Closure Request for the Release Site known as A-14 Compressor Station (Below Ground Sump). The legal description of the Release Site is Unit Letter "I", Section 6, Township 24 South, Range 35 East, in Lea County, New Mexico. The subject property is administered by the United States Bureau of Land Management (BLM). The GPS coordinates for the site are N 32.246183° W 103.402000°. Please reference Figure 1 for the Site Location Map, and Figure 4 for the Site Details and Confirmation Soil Sample Location Map. The Release Notification and Corrective Action (Form C-141) is provided as Appendix D.

On February 23, 2017, ETC discovered a crude oil and produced water release had occurred due to overfilling of the below ground sump. The released fluid flowed from the release point to the southwest corner of the facility and impacted an area measuring approximately four thousand (4,000) square feet. The release was reported to the New Mexico Oil Conservation Division (NMOCD) on March 3, 2017. During initial response activities, ETC mobilized a vacuum truck to the location to remove all free standing liquids from the ground to mitigate the release. Less than five (5) barrels of fluid was released, with no recovery. Photographs of the site are provided as Appendix B.

### NMOCD SITE CLASSIFICATION

A groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) did not identify any registered water wells in Section 6, Township 24 South, Range 35 East. A reference map utilized by the NMOCD Hobbs District Office, indicates groundwater should be encountered at approximately two hundred and twenty-five (225) feet below ground surface (bgs). Based on the NMOCD site classification system, zero (0) points will be assigned to the A-14 Compressor Station (Below Ground Sump) Release Site as a result of this criterion.

No water wells were observed within one-thousand (1,000) feet of the Release Site. Based on the NMOCD site classification system, zero (0) points will be assigned to the subject area ranking as a result of this criterion.

No surface water was observed within one thousand (1,000) feet of the release. Based on the NMOCD site classification system, zero (0) points will be assigned to the subject area ranking as a result of this criterion.

The NMOCD guidelines indicate the A-14 Compressor Station (Below Ground Sump) Release Site has a ranking score of zero (0). Based on this score, the soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene 10 mg/Kg (ppm)
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) 50 mg/Kg (ppm)
- Total Petroleum Hydrocarbons (TPH) 5,000 mg/Kg (ppm)
- Chloride 600 mg/Kg (ppm)

#### SUMMARY OF SOIL REMEDIATION ACTIVITIES

On March 6, 2017, a representative of ETC submitted the "Proposed Delineation Workplan" for NMOCD and BLM consideration. The "Proposed Delineation Workplan" summarized the delineation activities strategy designed to progress the Release Site toward an NMOCD approved closure status. ETC received written approval from the NMOCD to proceed with the activities outlined in the "Proposed Delineation Workplan".

On March 21 and 22, 2017, due to safety concerns and the potential of striking underground piping and associated equipment within the vicinity of the A-14 Compressor Station, ETC utilized a hydro-vac prior to conducting any field sampling activities to identify the location of underground pipelines and other associated subsurface equipment. Soil excavated during hydro-vac activities was placed on a plastic liner adjacent to the Release Site.

On March 22 and March 23, 2017, TRC, on behalf of ETC, utilized a hand auger to collect eighteen (18) delineation soil samples (S-1 6" through S-7 6", S-1 1' through S-7 1', S-3 16", S-3 22", S-4 21", and S-4 2') from the surface soil stained area. The soil samples were submitted to Xenco Laboratories in Midland, Texas for determination of concentrations of BTEX using Method SW 846-8021B, TPH using Method SW 846-8015M, and chloride using Method E-300.1. The analytical results indicated benzene and BTEX concentrations were less than the applicable laboratory Method Detection Limit (MDL), with the exception of soil sample S-3 22", which exhibited a BTEX concentration of 0.00322 mg/Kg which is below NMOCD regulatory guidelines. TPH concentrations ranged from less than the laboratory MDL for soil samples S-1 1', S-5 6", and S-7 1' to 17,531 mg/Kg for soil sample S-4 6". A review of laboratory analytical results indicated soil samples S-3 1' and S-4 6" exhibited TPH concentrations above NMOCD regulatory guidelines. Chloride concentrations ranged from less than the applicable laboratory MDL for soil samples S-2 6", S-2 1', S-5 6", S-5 1', S-6 6", S-6 1', S-7 6", and S-7 1' to 3,120 mg/Kg for soil sample S-4 6". A review of laboratory analytical results indicated soil samples S-4 6" and S-4 1' exhibited chloride concentrations above NMOCD regulatory guidelines. Table 1 summarizes the Concentrations of Benzene, BTEX, TPH, and Chloride in Soil. Analytical reports are provided as Appendix A. Please refer to Figure 3 for the Site Details and Soil Sample Locations Map for soil sample locations.

In addition to the soil samples described above, nine (9) soil samples (NS-1 1', SS-1 1', NS-2 1', SS-2 1', WS-3 1', ES-3 1', NS-4 1', SS-4 1', and NS-5 1') were collected utilizing a hand auger approximately five (5) feet from the outer perimeter of the surface soil stained area and submitted for BTEX, TPH, and chloride analysis. The analytical results indicated benzene and BTEX concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines. TPH concentrations were less than the applicable laboratory MDL for the submitted soil samples, with the exception of soil samples NS-1 1' (15 mg/Kg), NS-4 1' (303 mg/Kg), and N-5 1' (380.5 mg/Kg). TPH concentrations were below NMOCD regulatory guidelines for the submitted soil samples. Chloride concentrations ranged from less than the applicable laboratory analytical results indicated chloride concentrations were below NMOCD guidelines for the submitted soil sample ES-3 1' to 261 mg/Kg for soil sample SS-4 1'. A review of laboratory analytical results indicated chloride concentrations were below NMOCD guidelines for the submitted samples.

In addition, one background sample (BG-1 1') was collected utilizing a hand auger approximately fifty (50) feet north of the A-14 Compressor Station and submitted to the laboratory for TPH, BTEX, and chloride analysis. A review of laboratory analytical results indicated benzene, BTEX,

TPH, and chloride concentrations were less than laboratory applicable MDL. Please refer to Figure 2 for the Site Details and Soil Sample Location Map for the background soil sample location.

On May 2, 2017, a representative of ETC submitted the "Soil Investigation Summary and Proposed Remediation Workplan" (Workplan) for NMOCD consideration. The Workplan summarized remedial activities to date and detailed a closure strategy designed to progress the Release Site toward an NMOCD approved closure status. On May 16, 2017, ETC received written approval from the NMOCD to proceed with the activities outlined in the Workplan.

On May 23, 2017, TRC commenced excavation activities utilizing a hydro-vac in the vicinity of the A-14 Compressor Station below ground sump. One (1) soil sample (BH-1 @ 8") was collected from the floor of the excavated area. The soil sample was submitted to the laboratory and analyzed for concentrations of TPH, BTEX, and chloride. A review of laboratory analytical results indicated benzene and BTEX concentrations were less than laboratory MDL and NMOCD regulatory guidelines. Laboratory analytical results indicated the TPH concentrations was 506 mg/Kg and below NMOCD regulatory guidelines. Laboratory analytical results indicated the chloride concentration for the submitted sample was 8.06 mg/Kg and below NMOCD regulatory guidelines. Please refer to Figure 4 Site Details and Confirmation Soil Sample Location Map for soil sample locations.

In addition, one (1) composite soil sample (Hydrovac Solids) was collected from approximately twenty (20) cubic yards of hydro-excavated soil vacuumed from outside of the visibly impacted soil and submitted for BTEX, TPH, and chloride analysis. A review of the laboratory analytical results indicated benzene and BTEX concentrations were less than laboratory MDL and NMOCD regulatory guidelines. The TPH concentrations for the submitted soil sample was 452 mg/Kg and below NMOCD regulatory guidelines. The chloride concentration for the submitted soil sample was 52.5 mg/Kg and below NMOCD regulatory guidelines.

Based on the advancement of exploratory trenches utilizing a hydro-vac during delineation activities, it was determined the remainder of the impacted area could be excavated utilizing a backhoe to a maximum depth of approximately two (2) feet bgs.

On June 15, 2017, following additional excavation activities, three (3) soil samples (BH-6 6", BH-7 6", and BH-2 6") were collected from the floor of the excavated area and submitted to the laboratory for BTEX, TPH, and chloride analysis. A review of laboratory analytical results indicated benzene and BTEX concentrations for the submitted soil samples were less than laboratory MDL and NMOCD regulatory guidelines. TPH concentrations for the submitted soil samples ranged from less than the laboratory MDL for soil sample BH-2 6" to 231 mg/Kg for soil sample BH-7 6", which indicated the submitted soil samples were below NMOCD regulatory guidelines. A review of laboratory analytical results indicated chloride concentrations ranged from 5.85 mg/Kg for soil sample BH-7 6" to 32.4 mg/Kg for soil sample BH-2 6", which indicated chloride concentrations were below NMOCD regulatory guidelines.

On June 19 and 20, 2017, following additional excavation activities, ten (10) soil samples (BH-3 2', ESW-1 1', WSW-1 1', BH-5 6", BH-4 2', NSW-1 1', ESW-2 1', SSW-1 1', NSW-2 1', and WSW-2 1') were collected from the floor and side walls of the excavated area and submitted to the laboratory for BTEX, TPH, and chloride analysis. A review of laboratory analytical results indicated benzene and BTEX concentrations for the submitted soil samples were less than

laboratory MDL and NMOCD regulatory guidelines. A review of laboratory analytical results indicated TPH concentrations were less than the applicable laboratory MDL for all submitted soil samples, with the exception of soil samples BH-3 2', ESW-1 1', and WSW-1 1', which exhibited TPH concentrations of 118 mg/Kg, 25.8 mg/Kg, and 321.2 mg/Kg, respectively, and remained below NMOCD regulatory guidelines. A review of laboratory analytical results indicate chloride concentrations for the submitted samples ranged from 9.95 mg/Kg for soil sample NSW-2 1' to 165 mg/Kg for soil sample WSW-1 1', which indicated TPH concentrations were below NMOCD regulatory guidelines.

On July 27, 2017, ETC submitted the Remediation Summary and Permission to Backfill Request for NMOCD and BLM approval. On August 7, 2017, ETC and TRC representatives met with a NMOCD representative to discuss remediation activities at the Release Site and received approval to backfill the excavated area. On September 8, 2017, BLM approved the "Remediation Summary and Permission to Backfill Request".

On September 20 through 22, 2017, TRC began transporting the excavated soil to Sundance Services, Inc. in Eunice, New Mexico. Approximately four hundred (400) cubic yards of excavated soil was transported to the NMOCD approved facility. The Sundance Disposal Manifests are provided as Appendix C.

On October 4, 2017, TRC commenced backfill activities at the Release Site. The excavation was backfilled with locally obtained caliche and topsoil and the impacted area was contoured to fit the surrounding topography.

#### SITE CLOSURE REQUEST

ETC requests NMOCD grant Site Closure Status to the A-14 Compressor Station (Below Ground Sump (1RP-4635) incident.

### LIMITATIONS

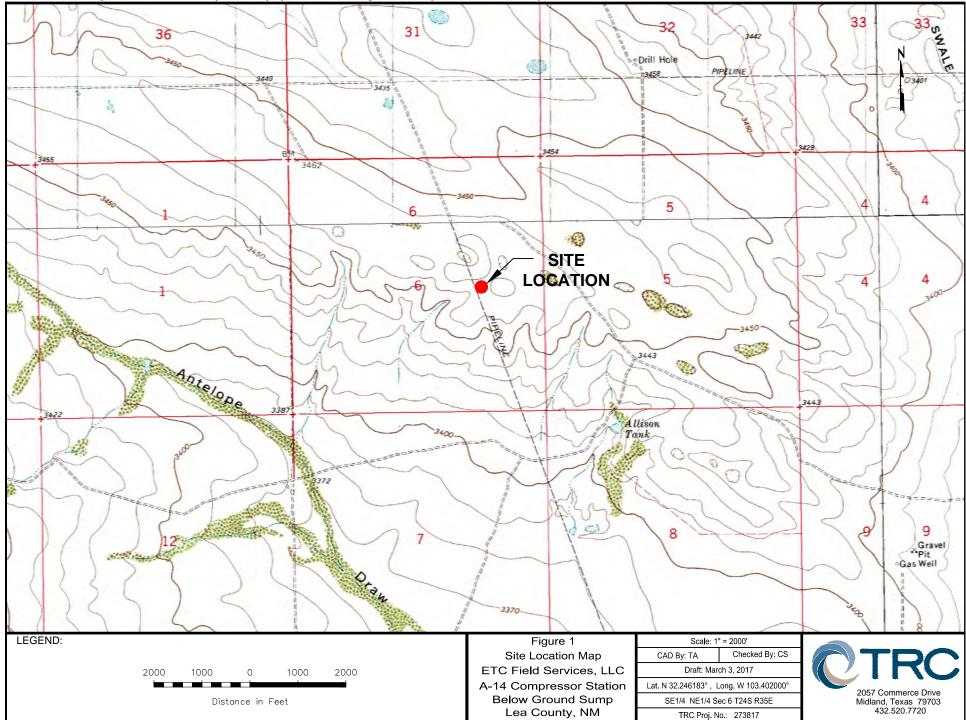
TRC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

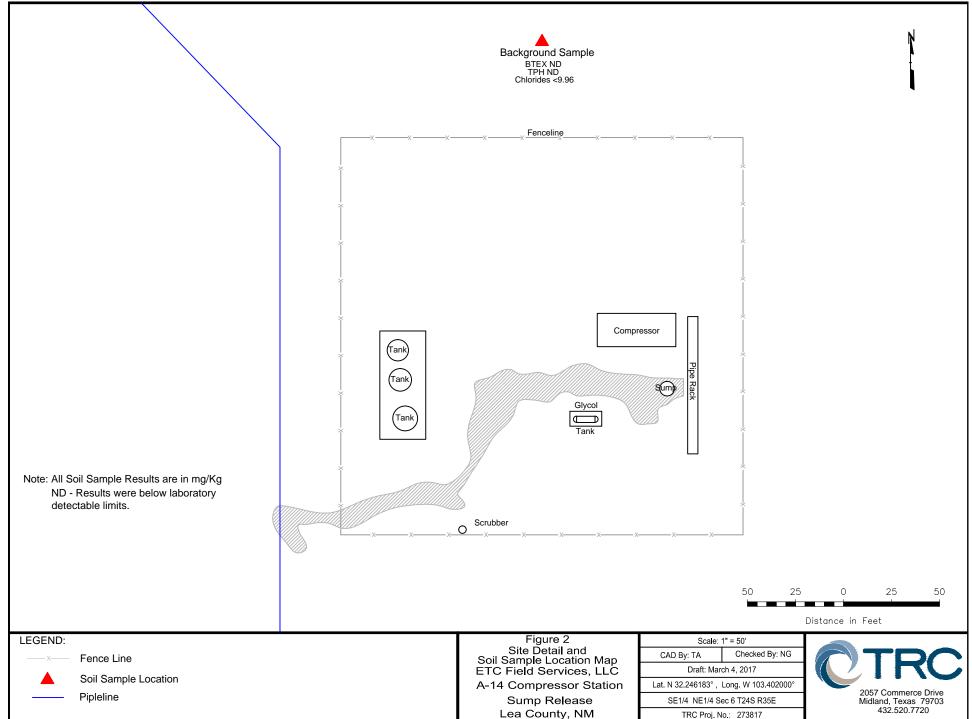
TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of ETC Field Services, LLC. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or ETC Field Services, LLC.

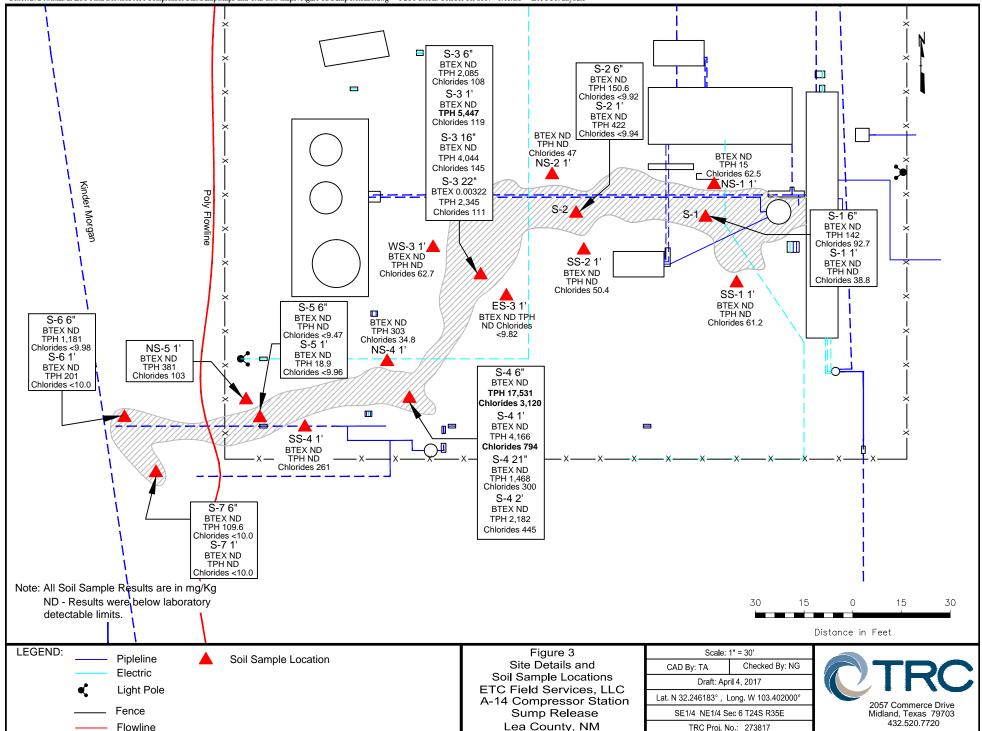
### DISTRIBUTION

| Copy 1: | Olivia Yu<br>New Mexico Energy, Minerals and Natural Resources Department<br>Oil Conservation Division (District 1)<br>1625 French Drive<br>Hobbs, New Mexico 88240            |
|---------|--|
| Copy 2: | Yolanda Jordan Jimenez<br>Carlsbad Field Office<br>United States Department of the Interior<br>Bureau of Land Management<br>620 E. Greene Street<br>Carlsbad, New Mexico 88220 |
| Copy 3: | Rose Slade<br>ETC Field Services, LLC<br>800 East Sonterra<br>San Antonio, Texas 78258   |
| Copy 4: | TRC Environmental Corporation<br>2057 Commerce Street<br>Midland, Texas 79703  |

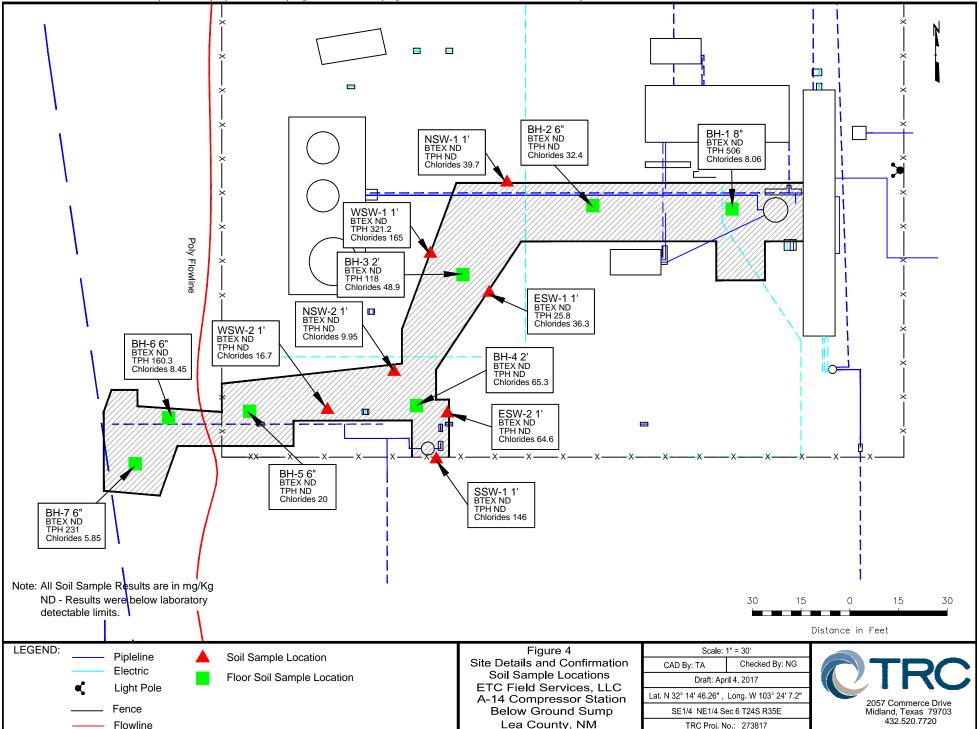




#### DRAWING NAME: Z:\ETC Field Services\A14 Compressor Stat Sump\Maps and CAD\new maps\ Figure 3a Sump Release.dwg --- PLOT DATE: October 18, 2017 - 9:40AM --- LAYOUT: Layout1



DRAWING NAME: Z:\ETC Field Services\A14 Compressor Stat Sump\Maps and CAD\new maps\ Figure 4 Below Ground Sump.dwg --- PLOT DATE: October 18, 2017 - 9:41AM --- LAYOUT: Layout1



#### TABLE 1

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### ETC FIELD SERVICES, LLC A-14 COMPRESSOR STATION BELOW GROUND SUMP LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

|  |                |                |           |           | METHODS:          | SW 846-8021b      |               |               |  | METHOD:  | SW 8015M                                    |   | E 300.1  |
|--|----------------|----------------|-----------|-----------|-------------------|-------------------|---------------|---------------|--|--|---|---|----------|
| SAMPLE<br>LOCATION                       | SAMPLE<br>DATE | SOIL<br>STATUS | BENZENE   | TOLUENE   | ETHYL-<br>BENZENE | m, p -<br>XYLENES | o -<br>XYLENE | TOTAL<br>BTEX | TPH GRO<br>C <sub>6</sub> -C <sub>12</sub> | <b>TPH DRO</b><br>C <sub>12</sub> -C <sub>28</sub> | TPH ORO<br>C <sub>28</sub> -C <sub>35</sub> | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>35</sub> | CHLORIDE |
| NMOCD Site<br>Classification<br>Criteria |                |                | 10        |           |                   |                   |               | 50            |  |  |   | 5,000   | 600      |
| S-1 6"                                   | 03/22/17       | Trench         | < 0.00148 | < 0.00198 | < 0.00198         | < 0.00198         | < 0.00296     | < 0.00296     | <15.0                                      | 79.9   | 62.3  | 142.2   | 92.7     |
| S-1 1'                                   | 03/22/17       | Trench         | < 0.00146 | < 0.00194 | < 0.00194         | < 0.00194         | < 0.00291     | < 0.00291     | <15.0                                      | <15.0  | <15.0                                       | <15.0   | 38.8     |
| S-2 6"                                   | 03/22/17       | Trench         | < 0.00146 | < 0.00195 | < 0.00195         | < 0.00195         | < 0.00292     | < 0.00292     | <15.0                                      | 80.5   | 70.1  | 150.6   | <9.92    |
| S-2 1'                                   | 03/22/17       | Trench         | < 0.00148 | < 0.00197 | < 0.00197         | < 0.00197         | < 0.00296     | < 0.00296     | <15.0                                      | 179  | 243   | 422   | <9.94    |
| S-3 6"                                   | 03/22/17       | Trench         | < 0.00147 | < 0.00196 | < 0.00196         | < 0.00196         | < 0.00294     | < 0.00294     | 72.8                                       | 1,500  | 512   | 2,084.8   | 108      |
| S-3 1'                                   | 03/22/17       | Trench         | < 0.00147 | < 0.00196 | < 0.00196         | < 0.00196         | < 0.00294     | < 0.00294     | 445  | 4,030  | 972   | 5,447   | 119      |
| S-3 16"                                  | 03/23/17       | Trench         | < 0.00148 | < 0.00198 | < 0.00198         | < 0.00198         | < 0.00296     | < 0.00296     | 281  | 2,810  | 953   | 4,044   | 145      |
| S-3 22"                                  | 03/23/17       | Trench         | < 0.00152 | < 0.00202 | < 0.00202         | 0.00322           | < 0.00303     | 0.00322       | 296  | 1,820  | 229   | 2,345   | 111      |
| S-4 6"                                   | 03/22/17       | Trench         | < 0.00146 | < 0.00195 | < 0.00195         | < 0.00195         | < 0.00293     | < 0.00293     | 771  | 15,100   | 1,660                                       | 17,531  | 3,120    |
| S-4 1'                                   | 03/22/17       | Trench         | < 0.00146 | < 0.00195 | < 0.00195         | < 0.00195         | < 0.00292     | < 0.00292     | 84.2                                       | 3,630  | 452   | 4,166.2   | 794      |
| S-4 21"                                  | 03/23/17       | Trench         | < 0.00149 | < 0.00198 | < 0.00198         | < 0.00198         | < 0.00298     | < 0.00298     | 18.0                                       | 1,290  | 160   | 1,468.0   | 300      |
| S-4 2'                                   | 03/23/17       | Trench         | < 0.00150 | < 0.00200 | < 0.00200         | < 0.00200         | < 0.00301     | < 0.00301     | 25.4                                       | 1,930  | 227   | 2,182.4   | 445      |
| S-5 6"                                   | 03/23/17       | Trench         | < 0.00149 | < 0.00199 | < 0.00199         | < 0.00199         | < 0.00298     | < 0.00298     | <15.0                                      | <15.0  | <15.0                                       | <15.0   | <9.47    |
| S-5 1'                                   | 03/22/17       | Trench         | < 0.00147 | < 0.00196 | < 0.00196         | < 0.00196         | < 0.00295     | < 0.00295     | <15.0                                      | 18.9   | <15.0                                       | 18.9  | <9.96    |
| S-6 6"                                   | 03/23/17       | Trench         | < 0.00146 | < 0.00195 | < 0.00195         | < 0.00195         | < 0.00292     | < 0.00292     | <14.9                                      | 889  | 292   | 1,181   | <9.98    |
| S-6 1'                                   | 03/23/17       | Trench         | < 0.00148 | < 0.00198 | < 0.00198         | < 0.00198         | < 0.00296     | < 0.00296     | <15.0                                      | 120  | 81.0  | 201.0   | <10.0    |
| S-7 6"                                   | 03/23/17       | Trench         | < 0.00149 | < 0.00199 | < 0.00199         | < 0.00199         | < 0.00298     | < 0.00298     | <15.0                                      | 59.0   | 50.6  | 109.6   | <10.0    |
| S-7 1'                                   | 03/23/17       | Trench         | < 0.00148 | < 0.00197 | < 0.00197         | < 0.00197         | < 0.00296     | < 0.00296     | <15.0                                      | <15.0  | <15.0                                       | <15.0   | <10.0    |
|  |                |                |           |           |                   |                   |               |               |  |  |   |   |          |
| NS-1 1'                                  | 03/23/17       | Trench         | < 0.00147 | < 0.00196 | < 0.00196         | < 0.00196         | < 0.00295     | < 0.00295     | <15.0                                      | <15.0  | 15.0  | 15.0  | 62.5     |
| SS-1 1'                                  | 03/23/17       | Trench         | < 0.00147 | < 0.00196 | < 0.00196         | < 0.00196         | < 0.00294     | < 0.00294     | <15.0                                      | <15.0  | <15.0                                       | <15.0   | 61.2     |
| NS-2 1'                                  | 03/23/17       | Trench         | < 0.00149 | < 0.00199 | < 0.00199         | < 0.00199         | < 0.00298     | < 0.00298     | <15.0                                      | <15.0  | <15.0                                       | <15.0   | 47.0     |
| SS-2 1'                                  | 03/23/17       | Trench         | < 0.00151 | < 0.00201 | < 0.00201         | < 0.00201         | < 0.00301     | < 0.00301     | <15.0                                      | <15.0  | <15.0                                       | <15.0   | 50.4     |

#### TABLE 1

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### ETC FIELD SERVICES, LLC A-14 COMPRESSOR STATION BELOW GROUND SUMP LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

|  |                |                |           |           | METHODS:          | SW 846-8021b      |               |               |  | METHOD:  | SW 8015M   |   | E 300.1  |
|--|----------------|----------------|-----------|-----------|-------------------|-------------------|---------------|---------------|--|--|--|---|----------|
| SAMPLE<br>LOCATION                       | SAMPLE<br>DATE | SOIL<br>STATUS | BENZENE   | TOLUENE   | ETHYL-<br>BENZENE | m, p -<br>XYLENES | o -<br>XYLENE | TOTAL<br>BTEX | TPH GRO<br>C <sub>6</sub> -C <sub>12</sub> | <b>TPH DRO</b><br>C <sub>12</sub> -C <sub>28</sub> | <b>TPH ORO</b><br>C <sub>28</sub> -C <sub>35</sub> | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>35</sub> | CHLORIDE |
| NMOCD Site<br>Classification<br>Criteria |                |                | 10        |           |                   |                   |               | 50            |  |  |  | 5,000   | 600      |
| WS-3 1'                                  | 03/23/17       | Trench         | < 0.00150 | < 0.00200 | < 0.00200         | < 0.00200         | < 0.00301     | < 0.00301     | <15.0                                      | <15.0  | <15.0  | <15.0   | 62.7     |
| ES-3 1'                                  | 03/23/17       | Trench         | < 0.00148 | < 0.00197 | < 0.00197         | < 0.00197         | < 0.00296     | < 0.00296     | <15.0                                      | <15.0  | <15.0  | <15.0   | <9.82    |
| NS-4 1'                                  | 03/23/17       | Trench         | < 0.00255 | < 0.00340 | < 0.00340         | < 0.00340         | < 0.00510     | < 0.00510     | <15.0                                      | 258  | 45.0   | 303.0   | 34.8     |
| SS-4 1'                                  | 03/23/17       | Trench         | < 0.00148 | < 0.00198 | < 0.00198         | < 0.00198         | < 0.00296     | < 0.00296     | <15.0                                      | <15.0  | <15.0  | <15.0   | 261      |
| NS-5 1'                                  | 03/23/17       | Trench         | < 0.00150 | < 0.00200 | < 0.00200         | < 0.00200         | < 0.00301     | < 0.00301     | <15.0                                      | 351  | 29.5   | 380.5   | 103      |
| BG-1 1'                                  | 03/23/17       | Trench         | < 0.00151 | < 0.00201 | < 0.00201         | < 0.00301         | < 0.00201     | < 0.00201     | <15.0                                      | <15.0  | <15.0  | <15.0   | <9.96    |
| BH-1 @ 8"                                | 05/23/17       | In-Situ        | <0.00353  | < 0.00353 | < 0.00353         | <0.00707          | < 0.00353     | <0.00707      | <15.0                                      | 203  | 303  | 506   | 8.06     |
| BH-6 6"                                  | 06/15/17       | In-Situ        | < 0.00201 | < 0.00201 | < 0.00201         | < 0.00402         | < 0.00201     | < 0.00402     | <15.0                                      | 97.1   | 63.2   | 160.3   | 8.45     |
| BH-7 6"                                  | 06/15/17       | In-Situ        | < 0.00200 | < 0.00200 | < 0.00200         | < 0.00399         | < 0.00200     | < 0.00399     | <15.0                                      | 109  | 122  | 231   | 5.85     |
| BH-2 6"                                  | 06/15/17       | In-Situ        | < 0.00198 | < 0.00198 | < 0.00198         | < 0.00397         | <0.00198      | < 0.00397     | <15.0                                      | <15.0  | <15.0  | <15.0   | 32.4     |
| BH-3 2'                                  | 06/19/17       | In-Situ        | < 0.00201 | < 0.00201 | < 0.00201         | < 0.00402         | < 0.00201     | < 0.00402     | <15.0                                      | 53.3   | 64.7   | 118   | 48.9     |
| ESW-1 1'                                 | 06/19/17       | In-Situ        | < 0.00200 | < 0.00200 | < 0.00200         | < 0.00399         | < 0.00200     | < 0.00399     | <15.0                                      | 25.8   | <15.0  | 25.8  | 36.3     |
| WSW-1 1'                                 | 06/19/17       | In-Situ        | < 0.00200 | < 0.00200 | < 0.00200         | < 0.00400         | < 0.00200     | < 0.00400     | <15.0                                      | 255  | 66.2   | 321.2   | 165.0    |
| BH-5 6"                                  | 06/19/17       | In-Situ        | < 0.00201 | < 0.00201 | < 0.00201         | < 0.00402         | < 0.00201     | < 0.00402     | <14.9                                      | <14.9  | <14.9  | <14.9   | 20.0     |
| BH-4 2'                                  | 06/20/17       | In-Situ        | < 0.00199 | < 0.00199 | < 0.00199         | < 0.00398         | < 0.00199     | < 0.00398     | <15.0                                      | <15.0  | <15.0  | <15.0   | 65.3     |
| NSW-1 1'                                 | 06/20/17       | In-Situ        | < 0.00199 | < 0.00199 | < 0.00199         | < 0.00398         | < 0.00199     | < 0.00398     | <15.0                                      | <15.0  | <15.0  | <15.0   | 39.7     |
| ESW-2 1'                                 | 06/20/17       | In-Situ        | < 0.00199 | < 0.00199 | < 0.00199         | < 0.00398         | < 0.00199     | < 0.00398     | <15.0                                      | <15.0  | <15.0  | <15.0   | 64.6     |
| SSW-1 1'                                 | 06/20/17       | In-Situ        | < 0.00200 | < 0.00200 | < 0.00200         | < 0.00399         | < 0.00200     | < 0.00399     | <15.0                                      | <15.0  | <15.0  | <15.0   | 146      |
| NSW-2 1'                                 | 06/20/17       | In-Situ        | < 0.00202 | < 0.00202 | < 0.00202         | < 0.00403         | < 0.00202     | < 0.00403     | <15.0                                      | <15.0  | <15.0  | <15.0   | 9.95     |

#### TABLE 1

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### ETC FIELD SERVICES, LLC A-14 COMPRESSOR STATION BELOW GROUND SUMP LEA COUNTY, NEW MEXICO

|  |                |                |           |           |           | ntrations are rep<br>SW 846-8021b | 0 0       |               |  | METHOD: | SW 8015M                                    |   | E 300.1  |
|--|----------------|----------------|-----------|-----------|-----------|-----------------------------------|-----------|---------------|--|---------|---|---|----------|
| SAMPLE<br>LOCATION                       | SAMPLE<br>DATE | SOIL<br>STATUS | BENZENE   | TOLUENE   | ETHYL-    | m, p -<br>XYLENES                 | 0 -       | TOTAL<br>BTEX | TPH GRO<br>C <sub>6</sub> -C <sub>12</sub> |         | TPH ORO<br>C <sub>28</sub> -C <sub>35</sub> | TOTAL<br>TPH<br>C <sub>6</sub> -C <sub>35</sub> | CHLORIDE |
| NMOCD Site<br>Classification<br>Criteria |                |                | 10        |           |           |                                   |           | 50            |  |         |   | 5,000   | 600      |
| WSW-2 1'                                 | 06/20/17       | In-Situ        | < 0.00201 | < 0.00201 | < 0.00201 | < 0.00402                         | < 0.00201 | < 0.00402     | <15.0                                      | <15.0   | <15.0                                       | <15.0   | 16.7     |
|  |                |                |           |           |           |                                   |           |               |  |         |   |   |          |
| Hydrovac Solids                          | 05/23/17       | In-Situ        | < 0.00201 | < 0.00201 | < 0.00201 | < 0.00402                         | < 0.00201 | < 0.00402     | <15.0                                      | 187     | 265   | 452   | 52.5     |
|  |                |                |           |           |           |                                   |           |               |  |         |   |   |          |

All concentrations are reported in mg/Kg

# Analytical Report 549416

for TRC Solutions, Inc

Project Manager: Nikki Green

A14 Compressor Station Sump

TRC# 273818

05-APR-17

Collected By: Client





#### 1211 W. Florida Ave, Midland TX 79701

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

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400) Xenco-San Antonio: Texas (T104704534) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



05-APR-17



Project Manager: **Nikki Green TRC Solutions, Inc** 2057 Commerce Midland, TX 79703

Reference: XENCO Report No(s): 549416 A14 Compressor Station Sump Project Address: Lea County, NM

#### Nikki Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 549416. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 549416 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,

Huns hoah

Kelsey Brooks Project Manager

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

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



## Sample Cross Reference 549416



## TRC Solutions, Inc, Midland, TX

A14 Compressor Station Sump

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|----------------|--------------|---------------|
| S-1 6"    | S      | 03-22-17 13:00 | - 6 In       | 549416-001    |
| S-1 1'    | S      | 03-22-17 13:05 | - 1 ft       | 549416-002    |
| S-2 6"    | S      | 03-22-17 13:15 | - 6 In       | 549416-003    |
| S-2 1'    | S      | 03-22-17 13:20 | - 1 ft       | 549416-004    |
| S-3 6"    | S      | 03-22-17 13:35 | - 6 In       | 549416-005    |
| S-3 1'    | S      | 03-22-17 13:40 | - 1 ft       | 549416-006    |
| S-4 6"    | S      | 03-22-17 15:30 | - 6 In       | 549416-007    |
| S-4 1'    | S      | 03-22-17 15:35 | - 1 ft       | 549416-008    |
| S-5 1'    | S      | 03-22-17 15:55 | - 1 ft       | 549416-009    |
| S-6 6"    | S      | 03-23-17 09:30 | - 6 In       | 549416-010    |
| S-6 1'    | S      | 03-23-17 09:45 | - 1 ft       | 549416-011    |
| S-7 6"    | S      | 03-23-17 09:50 | - 6 In       | 549416-012    |
| S-7 1'    | S      | 03-23-17 10:05 | - 1 ft       | 549416-013    |
| NS-1 1'   | S      | 03-23-17 10:10 | - 1 ft       | 549416-014    |
| SS-1 1'   | S      | 03-23-17 10:20 | - 1 ft       | 549416-015    |
| NS-2 1'   | S      | 03-23-17 11:00 | - 1 ft       | 549416-016    |
| SS-2 1'   | S      | 03-23-17 11:15 | - 1 ft       | 549416-017    |
| S-3 16"   | S      | 03-23-17 11:20 | - 16 In      | 549416-018    |
| S-3 22"   | S      | 03-23-17 11:28 | - 22 In      | 549416-019    |
| WS-3 1'   | S      | 03-23-17 11:39 | - 1 ft       | 549416-020    |
| ES-3 1'   | S      | 03-23-17 11:42 | - 1 ft       | 549416-021    |
| S-4 21"   | S      | 03-23-17 11:45 | - 1 ft       | 549416-022    |
| S-4 2'    | S      | 03-23-17 11:50 | - 2 ft       | 549416-023    |
| NS-4 1'   | S      | 03-23-17 13:00 | - 1 ft       | 549416-024    |
| SS-4 1'   | S      | 03-23-17 13:10 | - 1 ft       | 549416-025    |
| NS-5 1'   | S      | 03-23-17 13:20 | - 1 ft       | 549416-026    |
| S-5 6"    | S      | 03-22-17 15:50 | - 6 In       | 549416-027    |



## CASE NARRATIVE

Client Name: TRC Solutions, Inc Project Name: A14 Compressor Station Sump

 Project ID:
 TRC# 273818

 Work Order Number(s):
 549416

Report Date:05-APR-17Date Received:03/24/2017

#### Sample receipt non conformances and comments:

#### Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments: Batch: LBA-3013449 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

#### Batch: LBA-3013451 BTEX by EPA 8021B

Lab Sample ID 549416-002 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). m\_p-Xylenes recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 549416-002, -003, -004, -010. The Laboratory Control Sample for m\_p-Xylenes is within laboratory Control Limits, therefore the data was accepted.

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3013527 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

#### Batch: LBA-3013589 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030. Lab Sample ID 549416-026 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). m\_p-Xylenes recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 549416-025, -026, -027. The Laboratory Control Sample for m\_p-Xylenes is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3013602 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



## Certificate of Analysis Summary 549416

TRC Solutions, Inc, Midland, TX

Project Name: A14 Compressor Station Sump



Date Received in Lab: Fri Mar-24-17 02:55 pm Report Date: 05-APR-17 Project Manager: Kelsey Brooks

|                                    | Lab Id:    | 549416-   | 001     | 549416-0  | 002     | 549416-   | 003     | 549416-   | 004     | 549416-   | 005     | 549416-   | 006     |
|------------------------------------|------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
|                                    | Field Id:  | S-1 6     |         | S-1 1     |         | S-2 6     | ,       | S-2 1     |         | S-3 6     |         | S-3 1     |         |
| Analysis Requested                 | Depth:     | 6 In      |         | 1 ft      |         | 6 In      |         | 1 ft      |         | 6 In      |         | 1 ft      |         |
|                                    | Matrix:    | SOIL      |         | SOIL      |         | SOIL      |         | SOIL      |         | SOIL      | ,       | SOIL      |         |
|                                    | Sampled:   | Mar-22-17 | 13:00   | Mar-22-17 | 13:05   | Mar-22-17 | 13:15   | Mar-22-17 | 13:20   | Mar-22-17 | 13:35   | Mar-22-17 | 13:40   |
| BTEX by EPA 8021B                  | Extracted: | Mar-27-17 | 08:00   | Mar-27-17 | 16:40   | Mar-27-17 | 16:40   | Mar-27-17 | 16:40   | Mar-28-17 | 08:00   | Mar-28-17 | 08:00   |
|                                    | Analyzed:  | Mar-27-17 | 08:55   | Mar-27-17 | 21:58   | Mar-27-17 | 22:14   | Mar-28-17 | 01:13   | Mar-28-17 | 09:29   | Mar-28-17 | 09:46   |
|                                    | Units/RL:  | mg/kg     | RL      |
| Benzene                            |            | ND        | 0.00148 | ND        | 0.00146 | ND        | 0.00146 | ND        | 0.00148 | ND        | 0.00147 | ND        | 0.00147 |
| Toluene                            |            | ND        | 0.00198 | ND        | 0.00194 | ND        | 0.00195 | ND        | 0.00197 | ND        | 0.00196 | ND        | 0.00196 |
| Ethylbenzene                       |            | ND        | 0.00198 | ND        | 0.00194 | ND        | 0.00195 | ND        | 0.00197 | ND        | 0.00196 | ND        | 0.00196 |
| m_p-Xylenes                        |            | ND        | 0.00198 | ND        | 0.00194 | ND        | 0.00195 | ND        | 0.00197 | ND        | 0.00196 | ND        | 0.00196 |
| o-Xylene                           |            | ND        | 0.00296 | ND        | 0.00291 | ND        | 0.00292 | ND        | 0.00296 | ND        | 0.00294 | ND        | 0.00294 |
| Total Xylenes                      |            | ND        | 0.00198 | ND        | 0.00194 | ND        | 0.00195 | ND        | 0.00197 | ND        | 0.00196 | ND        | 0.00196 |
| Total BTEX                         |            | ND        | 0.00148 | ND        | 0.00146 | ND        | 0.00146 | ND        | 0.00148 | ND        | 0.00147 | ND        | 0.00147 |
| Chloride by EPA 300                | Extracted: | Apr-01-17 | 12:04   |
| SUB: TX104704215                   | Analyzed:  | Apr-01-17 | 22:01   | Apr-01-17 | 22:10   | Apr-01-17 | 22:38   | Apr-01-17 | 22:47   | Apr-01-17 | 23:15   | Apr-01-17 | 23:25   |
|                                    | Units/RL:  | mg/kg     | RL      |
| Chloride                           |            | 92.7      | 9.69    | 38.8      | 9.88    | ND        | 9.92    | ND        | 9.94    | 108       | 9.98    | 119       | 10.0    |
| TPH By SW8015 Mod                  | Extracted: | Mar-24-17 | 16:00   |
|                                    | Analyzed:  | Mar-25-17 | 00:20   | Mar-25-17 | 01:37   | Mar-25-17 | 02:02   | Mar-25-17 | 02:29   | Mar-25-17 | 02:57   | Mar-25-17 | 03:24   |
|                                    | Units/RL:  | mg/kg     | RL      |
| C6-C10 Gasoline Range Hydrocarbons |            | ND        | 15.0    | ND        | 15.0    | ND        | 15.0    | ND        | 15.0    | 72.8      | 15.0    | 445       | 74.9    |
| C10-C28 Diesel Range Organics      |            | 79.9      | 15.0    | ND        | 15.0    | 80.5      | 15.0    | 179       | 15.0    | 1500      | 15.0    | 4030      | 74.9    |
| C28-C35 Oil Range Hydrocarbons     |            | 62.3      | 15.0    | ND        | 15.0    | 70.1      | 15.0    | 243       | 15.0    | 512       | 15.0    | 972       | 74.9    |
| Total TPH                          |            | 142       | 15.0    | ND        | 15.0    | 151       | 15.0    | 422       | 15.0    | 2080      | 15.0    | 5450      | 74.9    |

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

Huns Boah

Kelsey Brooks Project Manager



## Certificate of Analysis Summary 549416

TRC Solutions, Inc, Midland, TX

Project Name: A14 Compressor Station Sump



Date Received in Lab: Fri Mar-24-17 02:55 pm Report Date: 05-APR-17 Project Manager: Kelsey Brooks

|                                    | Lab Id:    | 549416-(  | 007        | 549416-0        | 2018    | 549416-0        | 000     | 549416-010      |         | 549416-011      |         | 549416-0      | 012     |
|------------------------------------|------------|-----------|------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|---------------|---------|
|                                    |            |           |            |                 |         | S-5 1           |         | S-6.6           |         |                 |         |               |         |
| Analysis Requested                 | Field Id:  | S-4 6"    |            | S-4 1           |         | S-5 1<br>1 ft   |         | 5-6.6           |         | S-6 1           |         | S-7 6         |         |
| <i>1</i>                           | Depth:     | 6 In      |            | 1 ft            | 1 ft    |                 |         | 6 In            |         | 1 ft            |         | 6 In          |         |
|                                    | Matrix:    | SOIL      |            | SOIL            |         | SOIL            | ,       | SOIL            |         | SOIL            |         | SOIL          |         |
|                                    | Sampled:   | Mar-22-17 | 15:30      | Mar-22-17       | 15:35   | Mar-22-17       | 15:55   | Mar-23-17       | 09:30   | Mar-23-17       | 09:45   | Mar-23-17     | 09:50   |
| BTEX by EPA 8021B                  | Extracted: | Mar-28-17 | 08:00      | Mar-28-17 08:00 |         | Mar-28-17       | 08:00   | Mar-27-17       | 16:40   | Mar-28-17       | 08:00   | Mar-28-17     | 08:00   |
|                                    | Analyzed:  | Mar-28-17 | 10:02      | Mar-28-17       | 10:19   | Mar-28-17       | 10:35   | Mar-28-17       | 06:14   | Mar-28-17       | 10:51   | Mar-28-17     | 11:08   |
|                                    | Units/RL:  | mg/kg     | RL         | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      | mg/kg         | RL      |
| Benzene                            |            | ND        | 0.00146    | ND              | 0.00146 | ND              | 0.00147 | ND              | 0.00146 | ND              | 0.00148 | ND            | 0.00149 |
| Toluene                            |            | ND        | 0.00195    | ND              | 0.00195 | ND              | 0.00196 | ND              | 0.00195 | ND              | 0.00198 | ND            | 0.00199 |
| Ethylbenzene                       |            | ND        | 0.00195    | ND              | 0.00195 | ND              | 0.00196 | ND              | 0.00195 | ND              | 0.00198 | ND            | 0.00199 |
| m_p-Xylenes                        |            | ND        | 0.00195    | ND              | 0.00195 | ND              | 0.00196 | ND              | 0.00195 | ND              | 0.00198 | ND            | 0.00199 |
| o-Xylene                           |            | ND        | 0.00293    | ND              | 0.00292 | ND              | 0.00295 | ND              | 0.00292 | ND              | 0.00296 | ND            | 0.00298 |
| Total Xylenes                      |            | ND        | 0.00195    | ND              | 0.00195 | ND              | 0.00196 | ND              | 0.00195 | ND              | 0.00198 | ND            | 0.00199 |
| Total BTEX                         |            | ND        | 0.00146    | ND              | 0.00146 | ND              | 0.00147 | ND              | 0.00146 | ND              | 0.00148 | ND            | 0.00149 |
| Chloride by EPA 300                | Extracted: | Apr-01-17 | 12:04      | Apr-01-17       | 12:04   | Apr-01-17       | 12:04   | Apr-01-17       | 12:04   | Apr-01-17       | 12:04   | Apr-03-17     | 18:00   |
| SUB: TX104704215                   | Analyzed:  | Apr-01-17 | 23:34      | Apr-01-17       | 23:44   | Apr-01-17 23:53 |         | Apr-02-17 00:02 |         | Apr-02-17 00:12 |         | Apr-03-17 23: |         |
|                                    | Units/RL:  | mg/kg     | RL         | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      | mg/kg         | RL      |
| Chloride                           |            | 3120 D    | 98.8       | 794             | 9.82    | ND              | 9.96    | ND              | 9.98    | ND              | 10.0    | ND            | 10.0    |
| TPH By SW8015 Mod                  | Extracted: | Mar-24-17 | 16:00      | Mar-24-17       | 16:00   | Mar-24-17       | 16:00   | Mar-24-17       | 16:00   | Mar-24-17       | 16:00   | Mar-24-17     | 16:00   |
|                                    | Analyzed:  | Mar-25-17 | 03:50      | Mar-26-17       | 06:11   | Mar-25-17       | 04:43   | Mar-26-17       | 06:31   | Mar-25-17       | 12:48   | Mar-25-17     | 13:10   |
|                                    | Units/RL:  | mg/kg     | RL         | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      | mg/kg         | RL      |
| C6-C10 Gasoline Range Hydrocarbons |            | 771       | 74.9       | 84.2            | 14.9    | ND              | 15.0    | ND              | 14.9    | ND              | 15.0    | ND            | 15.0    |
| C10-C28 Diesel Range Organics      |            | 15100     | 15100 74.9 |                 | 14.9    | 18.9            | 15.0    | 889             | 14.9    | 120             | 15.0    | 59.0          | 15.0    |
| C28-C35 Oil Range Hydrocarbons     |            | 1660      | 1660 74.9  |                 | 14.9    | ND              | 15.0    | 292             | 14.9    | 81.0            | 15.0    | 50.6          | 15.0    |
| Total TPH                          |            | 17500     | 74.9       | 4170            | 14.9    | 18.9            | 15.0    | 1180            | 14.9    | 201             | 15.0    | 110           | 15.0    |

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

Huns Boah

Kelsey Brooks Project Manager



## Certificate of Analysis Summary 549416

TRC Solutions, Inc, Midland, TX

Project Name: A14 Compressor Station Sump



Date Received in Lab: Fri Mar-24-17 02:55 pm Report Date: 05-APR-17 Project Manager: Kelsey Brooks

| T_L T                              |            |           |         |           |         |           |         |           |         |           |         |           |         |
|------------------------------------|------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
|                                    | Lab Id:    | 549416-0  | 013     | 549416-0  | 014     | 549416-0  | 015     | 549416-   | 016     | 549416-0  | 017     | 549416-   | 018     |
| Analysis Requested                 | Field Id:  | S-7 1     |         | NS-1 1    | '       | SS-1 1    | '       | NS-2      | 1'      | SS-2 1    | '       | S-3 16    | 5"      |
| Analysis Requested                 | Depth:     | 1 ft      |         | 16 In     | ı       |
|                                    | Matrix:    | SOIL      |         | SOIL      |         | SOIL      | ,       | SOIL      |         | SOIL      |         | SOIL      | -       |
|                                    | Sampled:   | Mar-23-17 | 10:05   | Mar-23-17 | 10:10   | Mar-23-17 | 10:20   | Mar-23-17 | 11:00   | Mar-23-17 | 11:15   | Mar-23-17 | 11:20   |
| BTEX by EPA 8021B                  | Extracted: | Mar-28-17 | 08:00   |
|                                    | Analyzed:  | Mar-28-17 | 09:14   | Mar-28-17 | 11:23   | Mar-28-17 | 11:40   | Mar-28-17 | 13:35   | Mar-28-17 | 13:52   | Mar-28-17 | 14:08   |
|                                    | Units/RL:  | mg/kg     | RL      |
| Benzene                            |            | ND        | 0.00148 | ND        | 0.00147 | ND        | 0.00147 | ND        | 0.00149 | ND        | 0.00151 | ND        | 0.00148 |
| Toluene                            |            | ND        | 0.00197 | ND        | 0.00196 | ND        | 0.00196 | ND        | 0.00199 | ND        | 0.00201 | ND        | 0.00198 |
| Ethylbenzene                       |            | ND        | 0.00197 | ND        | 0.00196 | ND        | 0.00196 | ND        | 0.00199 | ND        | 0.00201 | ND        | 0.00198 |
| m_p-Xylenes                        |            | ND        | 0.00197 | ND        | 0.00196 | ND        | 0.00196 | ND        | 0.00199 | ND        | 0.00201 | ND        | 0.00198 |
| o-Xylene                           |            | ND        | 0.00296 | ND        | 0.00295 | ND        | 0.00294 | ND        | 0.00298 | ND        | 0.00301 | ND        | 0.00296 |
| Total Xylenes                      |            | ND        | 0.00197 | ND        | 0.00196 | ND        | 0.00196 | ND        | 0.00199 | ND        | 0.00201 | ND        | 0.00198 |
| Total BTEX                         |            | ND        | 0.00148 | ND        | 0.00147 | ND        | 0.00147 | ND        | 0.00149 | ND        | 0.00151 | ND        | 0.00148 |
| Chloride by EPA 300                | Extracted: | Apr-03-17 | 18:00   | Apr-01-17 | 13:54   |
| SUB: TX104704215                   | Analyzed:  | Apr-03-17 | 23:33   | Apr-02-17 | 02:13   | Apr-02-17 | 02:41   | Apr-02-17 | 02:51   | Apr-02-17 | 03:00   | Apr-02-17 | 03:09   |
|                                    | Units/RL:  | mg/kg     | RL      |
| Chloride                           |            | ND        | 10.0    | 62.5      | 9.98    | 61.2      | 9.88    | 47.0      | 9.84    | 50.4      | 9.98    | 145       | 10.0    |
| TPH By SW8015 Mod                  | Extracted: | Mar-24-17 | 16:00   |
|                                    | Analyzed:  | Mar-26-17 | 06:50   | Mar-25-17 | 13:52   | Mar-25-17 | 14:13   | Mar-25-17 | 14:33   | Mar-25-17 | 14:54   | Mar-25-17 | 15:14   |
|                                    | Units/RL:  | mg/kg     | RL      |
| C6-C10 Gasoline Range Hydrocarbons |            | ND        | 15.0    | 281       | 74.7    |
| C10-C28 Diesel Range Organics      |            | ND 15.0   |         | ND        | 15.0    | ND        | 15.0    | ND        | 15.0    | ND        | 15.0    | 2810      | 74.7    |
| C28-C35 Oil Range Hydrocarbons     |            | ND        | ND 15.0 |           | 15.0    | ND        | 15.0    | ND        | 15.0    | ND        | 15.0    | 953       | 74.7    |
| Total TPH                          |            | ND 15.0   |         | 15.0      | 15.0    | ND        | 15.0    | ND        | 15.0    | ND        | 15.0    | 4040      | 74.7    |

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Huns Boah

Kelsey Brooks Project Manager



## Certificate of Analysis Summary 549416

TRC Solutions, Inc, Midland, TX

Project Name: A14 Compressor Station Sump



Date Received in Lab: Fri Mar-24-17 02:55 pm Report Date: 05-APR-17 Project Manager: Kelsey Brooks

|                                    | Lab Id:    | 549416-   | 019       | 549416-0        | 20      | 549416-0  | 021     | 549416-   | 022     | 549416-023 |         | 549416-0  | 024     |
|------------------------------------|------------|-----------|-----------|-----------------|---------|-----------|---------|-----------|---------|------------|---------|-----------|---------|
|                                    | Field Id:  | S-3 22    | ."        | WS-3 1          | '       | ES-3 1    | '       | S-4 21    | "       | S-4 2      | ,       | NS-4      | 1'      |
| Analysis Requested                 | Depth:     | 22 In     |           | 1 ft            |         | 1 ft      |         | 1 ft      |         | 2 ft       |         | 1 ft      |         |
|                                    | Matrix:    | SOIL      |           | SOIL            |         | SOIL      |         | SOIL      | ,       | SOIL       |         | SOIL      | ,       |
|                                    | Sampled:   | Mar-23-17 | 11:28     | Mar-23-17       | 11:39   | Mar-23-17 | 11:42   | Mar-23-17 | 11:45   | Mar-23-17  | 11:50   | Mar-23-17 | 13:00   |
| BTEX by EPA 8021B                  | Extracted: | Mar-28-17 | 08:00     | Mar-28-17 08:00 |         | Mar-28-17 | 08:00   | Mar-28-17 | 08:00   | Mar-28-17  | 08:00   | Mar-28-17 | 16:50   |
|                                    | Analyzed:  | Mar-28-17 | 14:25     | Mar-28-17       | 14:41   | Mar-28-17 | 14:57   | Mar-28-17 | 15:21   | Mar-28-17  | 15:37   | Mar-29-17 | 07:08   |
|                                    | Units/RL:  | mg/kg     | RL        | mg/kg           | RL      | mg/kg     | RL      | mg/kg     | RL      | mg/kg      | RL      | mg/kg     | RL      |
| Benzene                            |            | ND        | 0.00152   | ND              | 0.00150 | ND        | 0.00148 | ND        | 0.00149 | ND         | 0.00150 | ND        | 0.00255 |
| Toluene                            |            | ND        | 0.00202   | ND              | 0.00200 | ND        | 0.00197 | ND        | 0.00198 | ND         | 0.00200 | ND        | 0.00340 |
| Ethylbenzene                       |            | ND        | 0.00202   | ND              | 0.00200 | ND        | 0.00197 | ND        | 0.00198 | ND         | 0.00200 | ND        | 0.00340 |
| m_p-Xylenes                        |            | 0.00322   | 0.00202   | ND              | 0.00200 | ND        | 0.00197 | ND        | 0.00198 | ND         | 0.00200 | ND        | 0.00340 |
| o-Xylene                           |            | ND        | 0.00303   | ND              | 0.00301 | ND        | 0.00296 | ND        | 0.00298 | ND         | 0.00301 | ND        | 0.00510 |
| Total Xylenes                      |            | 0.00322   | 0.00202   | ND              | 0.00200 | ND        | 0.00197 | ND        | 0.00198 | ND         | 0.00200 | ND        | 0.00340 |
| Total BTEX                         |            | 0.00322   | 0.00152   | ND              | 0.00150 | ND        | 0.00148 | ND        | 0.00149 | ND         | 0.00150 | ND        | 0.00255 |
| Chloride by EPA 300                | Extracted: | Apr-01-17 | 13:54     | Apr-01-17 1     | 13:54   | Apr-01-17 | 13:54   | Apr-01-17 | 13:54   | Apr-01-17  | 13:54   | Apr-01-17 | 13:54   |
| SUB: TX104704215                   | Analyzed:  | Apr-02-17 | 03:37     | Apr-02-17 (     | 03:47   | Apr-02-17 | 03:56   | Apr-02-17 | 04:05   | Apr-02-17  | 04:15   | Apr-02-17 | 04:24   |
|                                    | Units/RL:  | mg/kg     | RL        | mg/kg           | RL      | mg/kg     | RL      | mg/kg     | RL      | mg/kg      | RL      | mg/kg     | RL      |
| Chloride                           |            | 111       | 9.62      | 62.7            | 9.65    | ND        | 9.82    | 300       | 9.73    | 445        | 9.98    | 34.8      | 9.88    |
| TPH By SW8015 Mod                  | Extracted: | Mar-24-17 | 16:00     | Mar-24-17       | 16:00   | Mar-24-17 | 17:00   | Mar-24-17 | 17:00   | Mar-24-17  | 17:00   | Mar-24-17 | 17:00   |
|                                    | Analyzed:  | Mar-25-17 | 15:35     | Mar-25-17       | 15:57   | Mar-26-17 | 03:23   | Mar-26-17 | 03:43   | Mar-27-17  | 06:44   | Mar-26-17 | 04:27   |
|                                    | Units/RL:  | mg/kg     | RL        | mg/kg           | RL      | mg/kg     | RL      | mg/kg     | RL      | mg/kg      | RL      | mg/kg     | RL      |
| C6-C10 Gasoline Range Hydrocarbons |            | 296       | 74.7      | ND              | 15.0    | ND        | 15.0    | 18.0      | 15.0    | 25.4       | 15.0    | ND        | 15.0    |
| C10-C28 Diesel Range Organics      |            | 1820      | 1820 74.7 |                 | 15.0    | ND        | 15.0    | 1290      | 15.0    | 1930       | 15.0    | 258       | 15.0    |
| C28-C35 Oil Range Hydrocarbons     |            | 229       | 229 74.7  |                 | 15.0    | ND        | 15.0    | 160       | 15.0    | 227        | 15.0    | 45.0      | 15.0    |
| Total TPH                          |            | 2350      | 74.7      | ND              | 15.0    | ND        | 15.0    | 1470      | 15.0    | 2180       | 15.0    | 303       | 15.0    |

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Huns Boah

Kelsey Brooks Project Manager



## Certificate of Analysis Summary 549416

TRC Solutions, Inc, Midland, TX

Project Name: A14 Compressor Station Sump



Date Received in Lab:Fri Mar-24-17 02:55 pmReport Date:05-APR-17Project Manager:Kelsey Brooks

| Lab                                |            | 549416-         | 025     | 549416-0  | )26     | 549416-0        | )27     |  |  |
|------------------------------------|------------|-----------------|---------|-----------|---------|-----------------|---------|--|--|
|                                    | Field Id:  | SS-4 1          |         | NS-5 1    |         | S-5 6'          |         |  |  |
| Analysis Requested                 |            |                 |         |           | L       |                 |         |  |  |
|                                    | Depth:     | 1 ft            |         | 1 ft      |         | 6 In            |         |  |  |
|                                    | Matrix:    | SOIL            |         | SOIL      |         | SOIL            |         |  |  |
|                                    | Sampled:   | Mar-23-17       | 13:10   | Mar-23-17 | 13:20   | Mar-22-17       | 15:50   |  |  |
| BTEX by EPA 8021B                  | Extracted: | Mar-28-17 15:30 |         | Mar-28-17 | 15:30   | Mar-28-17       | 15:30   |  |  |
|                                    | Analyzed:  | Mar-28-17       | 23:47   | Mar-28-17 | 18:05   | Mar-28-17       | 18:22   |  |  |
|                                    | Units/RL:  | mg/kg           | RL      | mg/kg     | RL      | mg/kg           | RL      |  |  |
| Benzene                            |            | ND              | 0.00148 | ND        | 0.00150 | ND              | 0.00149 |  |  |
| luene                              |            | ND              | 0.00198 | ND        | 0.00200 | ND              | 0.00199 |  |  |
| ylbenzene                          |            | ND              | 0.00198 | ND        | 0.00200 | ND              | 0.00199 |  |  |
| m_p-Xylenes                        |            | ND              | 0.00198 | ND        | 0.00200 | ND              | 0.00199 |  |  |
| o-Xylene                           |            | ND              | 0.00296 | ND        | 0.00301 | ND              | 0.00298 |  |  |
| Total Xylenes                      |            | ND              | 0.00198 | ND        | 0.00200 | ND              | 0.00199 |  |  |
| Total BTEX                         |            | ND              | 0.00148 | ND        | 0.00150 | ND              | 0.00149 |  |  |
| Chloride by EPA 300                | Extracted: | Apr-01-17       | 13:54   | Apr-01-17 | 13:54   | Apr-01-17       | 13:54   |  |  |
| SUB: TX104704215                   | Analyzed:  | Apr-02-17       | 04:52   | Apr-02-17 | 05:01   | Apr-02-17 05:29 |         |  |  |
|                                    | Units/RL:  | mg/kg           | RL      | mg/kg     | RL      | mg/kg           | RL      |  |  |
| Chloride                           |            | 261             | 9.65    | 103       | 9.58    | ND              | 9.47    |  |  |
| TPH By SW8015 Mod                  | Extracted: | Mar-24-17       | 17:00   | Mar-24-17 | 17:00   | Mar-24-17       | 17:00   |  |  |
|                                    | Analyzed:  | Mar-26-17       | 04:47   | Mar-26-17 | 05:07   | Mar-26-17       | 05:29   |  |  |
|                                    | Units/RL:  | mg/kg           | RL      | mg/kg     | RL      | mg/kg           | RL      |  |  |
| C6-C10 Gasoline Range Hydrocarbons | *          | ND              | 15.0    | ND        | 15.0    | ND              | 15.0    |  |  |
| C10-C28 Diesel Range Organics      |            | ND              | 15.0    | 351       | 15.0    | ND              | 15.0    |  |  |
| C28-C35 Oil Range Hydrocarbons     |            | ND              | 15.0    | 29.5      | 15.0    | ND              | 15.0    |  |  |
| Total TPH                          |            | ND              | 15.0    | 381       | 15.0    | ND              | 15.0    |  |  |

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Huns Boah

Kelsey Brooks Project Manager



## **Flagging Criteria**



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

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

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

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| 2525 W. Huntington Dr Suite 102, Tempe AZ 85282 | (602) 437-0330 |                |
|   |                |                |



## Project Name: A14 Compressor Station Sump

| Lab Batch #:   |         | Sample: 549416-001 / SMP      | Bate                     |                       |                       |                         |       |
|----------------|---------|-------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|-------|
| Units:         | mg/kg   | Date Analyzed: 03/25/17 00:20 | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |
|                | TPH F   | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                |         | Analytes                      |                          |                       | [D]                   |                         |       |
| 1-Chlorooctane | ;       |                               | 93.2                     | 99.9                  | 93                    | 70-135                  |       |
| o-Terphenyl    |         |                               | 48.0                     | 50.0                  | 96                    | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-002 / SMP      | Bate                     | h: 1 Matrix           | : Soil                | <u> </u>                |       |
| Units:         | mg/kg   | Date Analyzed: 03/25/17 01:37 | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |
|                |         | By SW8015 Mod Analytes        | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1-Chlorooctane |         | Analy US                      | 92.5                     | 99.8                  | 93                    | 70-135                  |       |
| o-Terphenyl    |         |                               | 47.0                     | 49.9                  | 94                    | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-003 / SMP      | Bate                     | h: 1 Matrix           | : Soil                |                         |       |
| Units:         | mg/kg   | Date Analyzed: 03/25/17 02:02 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |
|                | TPH F   | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                |         | Analytes                      |                          |                       | [D]                   |                         |       |
| 1-Chlorooctane | ,       |                               | 103                      | 99.7                  | 103                   | 70-135                  |       |
| o-Terphenyl    |         |                               | 51.4                     | 49.9                  | 103                   | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-004 / SMP      | Batc                     | h: 1 Matrix           | : Soil                |                         |       |
| Units:         | mg/kg   | Date Analyzed: 03/25/17 02:29 | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |
|                |         | By SW8015 Mod Analytes        | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1-Chlorooctane |         |                               | 100                      | 100                   | 100                   | 70-135                  |       |
| o-Terphenyl    |         |                               | 50.6                     | 50.0                  | 101                   | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-005 / SMP      | Bate                     |                       |                       |                         |       |
| Units:         | mg/kg   | Date Analyzed: 03/25/17 02:57 | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |
|                |         | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
| r              |         | Analytes                      |                          |                       | [D]                   |                         |       |
| 1-Chlorooctane |         |                               | 90.1                     | 99.8                  | 90                    | 70-135                  |       |
| o-Terphenyl    |         |                               | 45.3                     | 49.9                  | 91                    | 70-135                  |       |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| Lab Batch #:   |         | Sample: 549416-006 / SMP             | Bate                     |                       |                       |                         |       |
|----------------|---------|--------------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|-------|
| Units:         | mg/kg   | <b>Date Analyzed:</b> 03/25/17 03:24 | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |
|                | TPH F   | By SW8015 Mod                        | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                |         | Analytes                             |                          |                       | [D]                   |                         |       |
| 1-Chlorooctane | •       |                                      | 99.2                     | 99.8                  | 99                    | 70-135                  |       |
| o-Terphenyl    |         |                                      | 51.2                     | 49.9                  | 103                   | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-007 / SMP             | Bate                     | h: 1 Matrix           | : Soil                | <u> </u>                |       |
| Units:         | mg/kg   | Date Analyzed: 03/25/17 03:50        | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |
|                |         | By SW8015 Mod Analytes               | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1-Chlorooctane |         | Analy C.S                            | 98.5                     | 99.8                  | 99                    | 70-135                  |       |
| o-Terphenyl    |         |                                      | 45.8                     | 49.9                  | 92                    | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-009 / SMP             | Bate                     | h: 1 Matrix           | : Soil                |                         |       |
| Units:         | mg/kg   | Date Analyzed: 03/25/17 04:43        | SURROGATE RECOVERY STUDY |                       |                       |                         |       |
|                | TPH F   | By SW8015 Mod                        | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                |         | Analytes                             |                          |                       | [D]                   |                         |       |
| 1-Chlorooctane | •       |                                      | 94.6                     | 99.7                  | 95                    | 70-135                  |       |
| o-Terphenyl    |         |                                      | 48.2                     | 49.9                  | 97                    | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-011 / SMP             | Bate                     | h: 1 Matrix           | : Soil                |                         |       |
| Units:         | mg/kg   | Date Analyzed: 03/25/17 12:48        | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |
|                |         | By SW8015 Mod Analytes               | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1-Chlorooctane |         |                                      | 96.7                     | 99.9                  | 97                    | 70-135                  |       |
| o-Terphenyl    |         |                                      | 49.7                     | 50.0                  | 99                    | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-012 / SMP             | Bato                     |                       |                       |                         |       |
| Units:         | mg/kg   | Date Analyzed: 03/25/17 13:10        | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |
|                |         | By SW8015 Mod                        | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                |         | Analytes                             |                          |                       | [D]                   |                         |       |
| 1-Chlorooctane | •       |                                      | 91.3                     | 99.8                  | 91                    | 70-135                  |       |
| o-Terphenyl    |         |                                      | 46.9                     | 49.9                  | 94                    | 70-135                  |       |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| Lab Batch #:      | 3013499  | Sample: 549416-014 / SMP             | Batc                   | Project ID<br>h: 1 Matrix |                       |                         |          |
|-------------------|----------|--------------------------------------|------------------------|---------------------------|-----------------------|-------------------------|----------|
| Units:            | mg/kg    | Date Analyzed: 03/25/17 13:52        | SU                     | <b>RROGATE R</b>          | ECOVERY S             | STUDY                   |          |
|                   | TPH F    | By SW8015 Mod                        | Amount<br>Found<br>[A] | True<br>Amount<br>[B]     | Recovery<br>%R        | Control<br>Limits<br>%R | Flage    |
|                   |          | Analytes                             |                        |                           | [D]                   |                         |          |
| 1-Chlorooctane    | •        |                                      | 105                    | 99.7                      | 105                   | 70-135                  |          |
| o-Terphenyl       |          |                                      | 53.1                   | 49.9                      | 106                   | 70-135                  |          |
| Lab Batch #:      | 3013499  | Sample: 549416-015 / SMP             | Batc                   | h: 1 Matrix               | : Soil                |                         |          |
| Units:            | mg/kg    | Date Analyzed: 03/25/17 14:13        | SU                     | JRROGATE R                | ECOVERY S             | STUDY                   |          |
|                   |          | By SW8015 Mod Analytes               | Amount<br>Found<br>[A] | True<br>Amount<br>[B]     | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flage    |
| 1-Chlorooctane    |          | Anaryus                              | 102                    | 99.9                      | 102                   | 70-135                  |          |
| o-Terphenyl       |          |                                      | 51.8                   | 50.0                      | 104                   | 70-135                  |          |
| Lab Batch #:      | 3013499  | Sample: 549416-016 / SMP             | Batc                   | h: 1 Matrix               | : Soil                |                         |          |
| Units:            | mg/kg    | Date Analyzed: 03/25/17 14:33        | st                     | JRROGATE R                | ECOVERY S             | STUDY                   |          |
| TPH By SW8015 Mod |          |                                      | Amount<br>Found<br>[A] | True<br>Amount<br>[B]     | Recovery<br>%R        | Control<br>Limits<br>%R | Flage    |
|                   | Analytes |                                      |                        |                           | [D]                   |                         |          |
| 1-Chlorooctane    | •        |                                      | 88.8                   | 99.8                      | 89                    | 70-135                  |          |
| o-Terphenyl       |          |                                      | 45.5                   | 49.9                      | 91                    | 70-135                  |          |
| Lab Batch #:      | 3013499  | Sample: 549416-017 / SMP             | Batc                   | h: 1 Matrix               | : Soil                |                         |          |
| Units:            | mg/kg    | Date Analyzed: 03/25/17 14:54        | SU                     | JRROGATE R                | ECOVERY S             | STUDY                   |          |
|                   |          | By SW8015 Mod Analytes               | Amount<br>Found<br>[A] | True<br>Amount<br>[B]     | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags    |
| 1-Chlorooctane    |          |                                      | 88.1                   | 99.8                      | 88                    | 70-135                  |          |
| o-Terphenyl       |          |                                      | 44.8                   | 49.9                      | 90                    | 70-135                  |          |
| Lab Batch #:      | 3013499  | Sample: 549416-018 / SMP             | Batc                   |                           |                       |                         | <u> </u> |
| Units:            | mg/kg    | <b>Date Analyzed:</b> 03/25/17 15:14 | SU                     | JRROGATE R                | ECOVERY S             | STUDY                   |          |
|                   |          | By SW8015 Mod                        | Amount<br>Found<br>[A] | True<br>Amount<br>[B]     | Recovery<br>%R        | Control<br>Limits<br>%R | Flag     |
|                   |          | Analytes                             |                        |                           | [D]                   |                         |          |
| 1-Chlorooctane    | •        |                                      | 91.7                   | 99.6                      | 92                    | 70-135                  |          |
| o-Terphenyl       |          |                                      | 45.5                   | 49.8                      | 91                    | 70-135                  |          |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| Lab Batch #:                  |         | Sample: 549416-019 / SMP      | Batc                     |                       |                       |                         |       |  |  |
|-------------------------------|---------|-------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|-------|--|--|
| Units:                        | mg/kg   | Date Analyzed: 03/25/17 15:35 | SU                       | RROGATE R             | ECOVERY S             | STUDY                   |       |  |  |
|                               | TPH F   | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |  |  |
|                               |         | Analytes                      |                          |                       | [D]                   |                         |       |  |  |
| 1-Chlorooctane                |         |                               | 91.7                     | 99.6                  | 92                    | 70-135                  |       |  |  |
| o-Terphenyl                   |         |                               | 46.2                     | 49.8                  | 93                    | 70-135                  |       |  |  |
| Lab Batch #:                  | 3013499 | Sample: 549416-020 / SMP      | Batc                     | h: 1 Matrix           | : Soil                | ·                       |       |  |  |
| Units:                        | mg/kg   | Date Analyzed: 03/25/17 15:57 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |
|                               |         | By SW8015 Mod Analytes        | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |
| 1-Chlorooctane                |         | Anaryus                       | 98.1                     | 99.7                  | 98                    | 70-135                  |       |  |  |
| o-Terphenyl                   |         |                               | 49.7                     | 49.9                  | 100                   | 70-135                  |       |  |  |
| Lab Batch #:                  | 3013501 | Sample: 549416-021 / SMP      | Batc                     | h: 1 Matrix           | : Soil                |                         |       |  |  |
| Units:                        | mg/kg   | Date Analyzed: 03/26/17 03:23 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |
| TPH By SW8015 Mod             |         |                               | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |  |  |
|                               |         | Analytes                      |                          |                       | [D]                   |                         |       |  |  |
| 1-Chlorooctane                |         |                               | 89.4                     | 99.8                  | 90                    | 70-135                  |       |  |  |
| o-Terphenyl                   |         |                               | 46.2                     | 49.9                  | 93                    | 70-135                  |       |  |  |
| Lab Batch #:                  | 3013501 | Sample: 549416-022 / SMP      | Batc                     | h: 1 Matrix           | : Soil                |                         |       |  |  |
| Units:                        | mg/kg   | Date Analyzed: 03/26/17 03:43 | SU                       | RROGATE R             | ECOVERY S             | STUDY                   |       |  |  |
|                               |         | By SW8015 Mod Analytes        | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |
| 1-Chlorooctane                |         |                               | 96.9                     | 99.7                  | 97                    | 70-135                  |       |  |  |
| o-Terphenyl                   |         |                               | 40.5                     | 49.9                  | 81                    | 70-135                  |       |  |  |
| Lab Batch #:                  | 3013501 | Sample: 549416-024 / SMP      | Batc                     |                       |                       |                         |       |  |  |
| Units:                        | mg/kg   | Date Analyzed: 03/26/17 04:27 | st                       | RROGATE R             | ECOVERY S             | STUDY                   |       |  |  |
|                               |         | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flag  |  |  |
| 1 (11)                        |         | Analytes                      |                          |                       | [D]                   | -                       |       |  |  |
| 1-Chlorooctane<br>o-Terphenyl |         |                               | 85.8                     | 99.9                  | 86                    | 70-135                  |       |  |  |
|                               |         |                               | 44.0                     | 50.0                  | 88                    | 70-135                  |       |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| Lab Batch #:   | 3013501 | Sample: 549416-025 / SMP      | Batc  | Project ID<br>h: 1 Matrix |                       |                         |       |
|----------------|---------|-------------------------------|---|---------------------------|-----------------------|-------------------------|-------|
| Units:         | mg/kg   | Date Analyzed: 03/26/17 04:47 | SU  | JRROGATE R                | ECOVERY S             | STUDY                   |       |
|                | TPH F   | By SW8015 Mod                 | Amount<br>Found<br>[A]                            | True<br>Amount<br>[B]     | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |
|                |         | Analytes                      |   |                           | [D]                   |                         |       |
| 1-Chlorooctane | e       |                               | 89.3  | 100                       | 89                    | 70-135                  |       |
| o-Terphenyl    |         |                               | 46.1  | 50.0                      | 92                    | 70-135                  |       |
| Lab Batch #:   | 3013501 | Sample: 549416-026 / SMP      | Batc  | h: 1 Matrix               | : Soil                | <u> </u>                |       |
| Units:         | mg/kg   | Date Analyzed: 03/26/17 05:07 | SU  | JRROGATE R                | ECOVERY S             | STUDY                   |       |
|                |         | By SW8015 Mod Analytes        | Amount<br>Found<br>[A]                            | True<br>Amount<br>[B]     | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flage |
| 1-Chlorooctane |         | Analytes                      | 92.7  | 99.8                      | 93                    | 70-135                  |       |
| o-Terphenyl    |         |                               | 44.0  | 49.9                      | 88                    | 70-135                  |       |
| Lab Batch #:   | 3013501 | Sample: 549416-027 / SMP      | Batc  | h: 1 Matrix               | : Soil                |                         |       |
| Units:         | mg/kg   | Date Analyzed: 03/26/17 05:29 | Analyzed: 03/26/17 05:29 SURROGATE RECOVERY STUDY |                           |                       |                         |       |
|                | TPH E   | By SW8015 Mod                 | Amount<br>Found<br>[A]                            | True<br>Amount<br>[B]     | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |
|                |         | Analytes                      |   |                           | [D]                   |                         |       |
| 1-Chlorooctane | e       |                               | 85.0  | 99.8                      | 85                    | 70-135                  |       |
| o-Terphenyl    |         |                               | 43.0  | 49.9                      | 86                    | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-008 / SMP      | Batc  | h: 1 Matrix               | : Soil                |                         |       |
| Units:         | mg/kg   | Date Analyzed: 03/26/17 06:11 | SU  | JRROGATE R                | ECOVERY S             | STUDY                   |       |
|                |         | By SW8015 Mod Analytes        | Amount<br>Found<br>[A]                            | True<br>Amount<br>[B]     | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flage |
| 1-Chlorooctane |         | marytes                       | 96.4  | 99.6                      | 97                    | 70-135                  |       |
| o-Terphenyl    |         |                               | 40.0  | 49.8                      | 80                    | 70-135                  |       |
| Lab Batch #:   | 3013499 | Sample: 549416-010 / SMP      | Batc  |                           |                       |                         |       |
| Units:         | mg/kg   | Date Analyzed: 03/26/17 06:31 | st  | JRROGATE R                | ECOVERY S             | STUDY                   |       |
|                | TPH F   | By SW8015 Mod                 | Amount<br>Found<br>[A]                            | True<br>Amount<br>[B]     | Recovery<br>%R        | Control<br>Limits<br>%R | Flag  |
|                |         | Analytes                      |   |                           | [D]                   |                         |       |
| 1-Chlorooctane | e       |                               | 94.2  | 99.6                      | 95                    | 70-135                  |       |
| o-Terphenyl    |         |                               | 42.9  | 49.8                      | 86                    | 70-135                  |       |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| T                           |         | Data Amalanada 02/26/17 06 50 |                          |                       | _ ~ ~ ~ ~ ~ ~ ~         |                         |       |  |  |
|-----------------------------|---------|-------------------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------|--|--|
| Units:                      | mg/kg   | Date Analyzed: 03/26/17 06:50 | SU                       | JRROGATE R            | ECOVERY S               | STUDY                   |       |  |  |
|                             | TPH F   | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R          | Control<br>Limits<br>%R | Flags |  |  |
|                             |         | Analytes                      |                          |                       | [D]                     |                         |       |  |  |
| 1-Chlorooctane              | •       |                               | 102                      | 100                   | 102                     | 70-135                  |       |  |  |
| o-Terphenyl                 |         |                               | 51.8                     | 50.0                  | 104                     | 70-135                  |       |  |  |
| Lab Batch #:                | 3013501 | Sample: 549416-023 / SMP      | Bate                     | h: 1 Matrix           | : Soil                  | 11                      |       |  |  |
| Units:                      | mg/kg   | Date Analyzed: 03/27/17 06:44 | SURROGATE RECOVERY STUDY |                       |                         |                         |       |  |  |
|                             |         | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D]   | Control<br>Limits<br>%R | Flags |  |  |
| 1 Chloropatana              |         | Analytes                      | 101                      | 00.7                  |                         | 70.125                  |       |  |  |
| 1-Chlorooctane              |         |                               | 101                      | 99.7                  | 101                     | 70-135                  |       |  |  |
| o-Terphenyl<br>Lab Batch #: | 2012440 | Sample: 549416-001 / SMP      | 43.2<br>Bate             | 49.9<br>2h: 1 Matrix  | 87                      | 70-135                  |       |  |  |
|                             |         | -                             |                          |                       |                         |                         |       |  |  |
| Units:                      | mg/kg   | Date Analyzed: 03/27/17 08:55 | SU                       | JRROGATE R            | ECOVERY S               | STUDY                   |       |  |  |
|                             | BTEX    | L by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R          | Control<br>Limits<br>%R | Flags |  |  |
|                             |         | Analytes                      |                          |                       | [D]                     |                         |       |  |  |
| 1,4-Difluorobe              | nzene   |                               | 0.0324                   | 0.0300                | 108                     | 80-120                  |       |  |  |
| 4-Bromofluoro               | benzene |                               | 0.0297                   | 0.0300                | 99                      | 80-120                  |       |  |  |
| Lab Batch #:                | 3013451 | Sample: 549416-002 / SMP      | Bate                     | ch: 1 Matrix          | : Soil                  |                         |       |  |  |
| Units:                      | mg/kg   | Date Analyzed: 03/27/17 21:58 | SU                       | URROGATE R            | ECOVERY S               | STUDY                   |       |  |  |
|                             |         | T by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D]   | Control<br>Limits<br>%R | Flags |  |  |
| 1.4-Difluorobe              |         | Analytes                      | 0.0240                   | 0.0200                |                         | 00.120                  |       |  |  |
| 4-Bromofluoro               |         |                               | 0.0349                   | 0.0300                | 99                      | 80-120                  |       |  |  |
| Lab Batch #:                |         | Sample: 549416-003 / SMP      | 0.0296<br>Bate           |                       |                         | 80-120                  |       |  |  |
| Units:                      | mg/kg   | Date Analyzed: 03/27/17 22:14 |                          | JRROGATE R            |                         | STUDY                   |       |  |  |
| BTEX by EPA 8021B           |         | Amount<br>Found<br>[A]        | True<br>Amount<br>[B]    | Recovery<br>%R        | Control<br>Limits<br>%R | Flage                   |       |  |  |
|                             |         | Analytes                      |                          |                       | [D]                     |                         |       |  |  |
| 1,4-Difluorobe              | nzene   |                               | 0.0338                   | 0.0300                | 113                     | 80-120                  |       |  |  |
| 4-Bromofluoro               | hanzana |                               | 0.0342                   | 0.0300                | 114                     | 80-120                  |       |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| T T \$4              |            | Deta Ameli-1: 02/20/17 01 12         |                          |                       |                       |                         |       |  |  |
|----------------------|------------|--------------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|-------|--|--|
| Units:               | mg/kg      | Date Analyzed: 03/28/17 01:13        | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |  |  |
|                      | BTEX       | X by EPA 8021B                       | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |
|                      |            | Analytes                             |                          |                       | [D]                   |                         |       |  |  |
| 1,4-Difluoro         | benzene    |                                      | 0.0332                   | 0.0300                | 111                   | 80-120                  |       |  |  |
| 4-Bromoflue          | orobenzene |                                      | 0.0280                   | 0.0300                | 93                    | 80-120                  |       |  |  |
| Lab Batch            | #: 3013451 | Sample: 549416-010 / SMP             | Batch: 1 Matrix: Soil    |                       |                       |                         |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 06:14        | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |
|                      |            | A by EPA 8021B                       | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |
| 1,4-Difluoro         |            | Anarytes                             | 0.0251                   | 0.0300                | 84                    | 80-120                  |       |  |  |
| 4-Bromoflue          |            |                                      | 0.0287                   | 0.0300                | 96                    | 80-120                  |       |  |  |
|                      | #: 3013527 | Sample: 549416-013 / SMP             | Batc                     |                       |                       | 00 120                  |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 09:14        |                          | JRROGATE R            |                       | STUDY                   |       |  |  |
|                      |            | by EPA 8021B                         | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |
|                      |            | Analytes                             |                          |                       | [D]                   |                         |       |  |  |
| 1,4-Difluoro         | benzene    |                                      | 0.0316                   | 0.0300                | 105                   | 80-120                  |       |  |  |
| 4-Bromoflue          |            |                                      | 0.0296                   | 0.0300                | 99                    | 80-120                  |       |  |  |
| Lab Batch            | #: 3013527 | Sample: 549416-005 / SMP             | Batc                     | h: 1 Matrix           | : Soil                |                         |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 09:29        | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |  |  |
|                      |            | L by EPA 8021B<br>Analytes           | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |
| 1.4-Difluoro         |            |                                      | 0.0321                   | 0.0300                | 107                   | 80-120                  |       |  |  |
| 4-Bromoflue          |            |                                      | 0.0267                   | 0.0300                | 89                    | 80-120                  |       |  |  |
|                      | #: 3013527 | Sample: 549416-006 / SMP             | Batc                     |                       |                       |                         |       |  |  |
| Units:               | mg/kg      | <b>Date Analyzed:</b> 03/28/17 09:46 |                          | JRROGATE R            |                       | STUDY                   |       |  |  |
| BTEX by EPA 8021B    |            | •                                    | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |  |  |
|                      |            | Analytes                             |                          |                       | [D]                   |                         |       |  |  |
| 1,4-Difluoro         |            |                                      | 0.0286                   | 0.0300                | 95                    | 80-120                  |       |  |  |
| 4-Bromofluorobenzene |            |                                      | 0.0256                   | 0.0300                | 85                    | 80-120                  |       |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| T                    | /l.        | Data Amalumada 02/20/17 10.02 |                          |                       | _ ~ ~ ~ ~ ~ ~           |                         |       |  |  |
|----------------------|------------|-------------------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------|--|--|
| Units:               | mg/kg      | Date Analyzed: 03/28/17 10:02 | SU                       | RROGATE R             | ECOVERY S               | STUDY                   |       |  |  |
|                      | BTEX       | by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R          | Control<br>Limits<br>%R | Flage |  |  |
|                      |            | Analytes                      |                          |                       | [D]                     |                         |       |  |  |
| 1,4-Difluoro         | benzene    |                               | 0.0354                   | 0.0300                | 118                     | 80-120                  |       |  |  |
| 4-Bromofluc          | orobenzene |                               | 0.0247                   | 0.0300                | 82                      | 80-120                  |       |  |  |
| Lab Batch            | #: 3013527 | Sample: 549416-008 / SMP      |                          |                       |                         |                         |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 10:19 | SURROGATE RECOVERY STUDY |                       |                         |                         |       |  |  |
|                      |            | by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D]   | Control<br>Limits<br>%R | Flage |  |  |
| 1 4 D'flag ar        |            | Analytes                      | 0.0220                   | 0.0200                |                         | 00.120                  |       |  |  |
| 1,4-Difluoro         |            |                               | 0.0328                   | 0.0300                | 109                     | 80-120                  |       |  |  |
| 4-Bromofluc          | #: 3013527 | Secondar 540416 000 / SMD     | 0.0267                   | 0.0300<br>h: 1 Matrix | 89<br>89                | 80-120                  |       |  |  |
|                      |            | Sample: 549416-009 / SMP      | Batcl                    |                       |                         |                         |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 10:35 | SU                       | RROGATE R             | ECOVERY S               | STUDY                   |       |  |  |
|                      | BTEX       | by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R          | Control<br>Limits<br>%R | Flage |  |  |
|                      |            | Analytes                      |                          |                       | [D]                     |                         |       |  |  |
| 1,4-Difluoro         | benzene    |                               | 0.0327                   | 0.0300                | 109                     | 80-120                  |       |  |  |
| 4-Bromofluc          | orobenzene |                               | 0.0271                   | 0.0300                | 90                      | 80-120                  |       |  |  |
| Lab Batch            | #: 3013527 | Sample: 549416-011 / SMP      | Batcl                    | h: 1 Matrix           | : Soil                  |                         |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 10:51 | SU                       | RROGATE R             | ECOVERY S               | STUDY                   |       |  |  |
|                      |            | by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D]   | Control<br>Limits<br>%R | Flags |  |  |
| 140.0                |            | Analytes                      | 0.0222                   | 0.0200                |                         | 00.100                  |       |  |  |
| 1,4-Difluoro         |            |                               | 0.0323                   | 0.0300                | 108                     | 80-120                  |       |  |  |
| 4-Bromofluc          | #: 3013527 | Sample: 549416-012 / SMP      | 0.0323<br>Batcl          | 0.0300<br>h: 1 Matrix | 108                     | 80-120                  |       |  |  |
|                      |            | -                             |                          |                       |                         |                         |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 11:08 | SU                       | RROGATE R             | ECOVERY S               | STUDY                   |       |  |  |
| BTEX by EPA 8021B    |            | Amount<br>Found<br>[A]        | True<br>Amount<br>[B]    | Recovery<br>%R        | Control<br>Limits<br>%R | Flag                    |       |  |  |
|                      |            | Analytes                      |                          |                       | [D]                     |                         |       |  |  |
| 1,4-Difluoro         | benzene    |                               | 0.0313                   | 0.0300                | 104                     | 80-120                  |       |  |  |
| 4-Bromofluorobenzene |            |                               | 0.0288                   | 0.0300                | 96                      | 80-120                  |       |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| Lab Batch            | #: 3013527 | Sample: 549416-014 / SMP             | Batc                     | h: 1 Matrix           | : 5011                |                         |       |  |  |
|----------------------|------------|--------------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|-------|--|--|
| U <b>nits:</b>       | mg/kg      | Date Analyzed: 03/28/17 11:23        | SU                       | RROGATE R             | ECOVERY S             | STUDY                   |       |  |  |
|                      | BTEX       | L by EPA 8021B                       | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |  |  |
|                      |            | Analytes                             |                          |                       | [D]                   |                         |       |  |  |
| 1,4-Difluor          | obenzene   |                                      | 0.0316                   | 0.0300                | 105                   | 80-120                  |       |  |  |
| 4-Bromoflu           | orobenzene |                                      | 0.0279                   | 0.0300                | 93                    | 80-120                  |       |  |  |
| Lab Batch            | #: 3013527 | Sample: 549416-015 / SMP             | Batch: 1 Matrix: Soil    |                       |                       |                         |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 11:40        | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |
|                      |            | by EPA 8021B Analytes                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |
| 1,4-Difluoro         |            | Anarytes                             | 0.0320                   | 0.0300                | 107                   | 80-120                  |       |  |  |
| 4-Bromoflu           |            |                                      | 0.0320                   | 0.0300                | 87                    | 80-120                  |       |  |  |
|                      | #: 3013527 | Sample: 549416-016 / SMP             | Batc                     |                       |                       | 80-120                  |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 13:35        |                          | RROGATE R             |                       | TUDV                    |       |  |  |
|                      | 6 6        |                                      | 50                       | 1                     |                       | 1                       |       |  |  |
|                      |            | 5 by EPA 8021B                       | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |  |  |
|                      |            | Analytes                             |                          |                       | [D]                   |                         |       |  |  |
| 1,4-Difluoro         | obenzene   |                                      | 0.0309                   | 0.0300                | 103                   | 80-120                  |       |  |  |
| 4-Bromoflu           |            |                                      | 0.0275                   | 0.0300                | 92                    | 80-120                  |       |  |  |
| Lab Batch            | #: 3013527 | Sample: 549416-017 / SMP             | Batc                     | h: 1 Matrix           | : Soil                |                         |       |  |  |
| Units:               | mg/kg      | Date Analyzed: 03/28/17 13:52        | SU                       | RROGATE R             | ECOVERY S             | STUDY                   |       |  |  |
|                      |            | L by EPA 8021B<br>Analytes           | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flag  |  |  |
| 1,4-Difluor          |            |                                      | 0.0340                   | 0.0300                | 113                   | 80-120                  |       |  |  |
| 4-Bromoflu           |            |                                      | 0.0278                   | 0.0300                | 93                    | 80-120                  |       |  |  |
|                      | #: 3013527 | Sample: 549416-018 / SMP             | Batc                     |                       |                       | 1                       |       |  |  |
| Units:               | mg/kg      | <b>Date Analyzed:</b> 03/28/17 14:08 | SU                       | RROGATE R             | ECOVERY               | STUDY                   |       |  |  |
|                      | BTEX       | L by EPA 8021B                       | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flag  |  |  |
|                      |            | Analytes                             |                          |                       | [D]                   |                         |       |  |  |
| 1,4-Difluor          | obenzene   |                                      | 0.0349                   | 0.0300                | 116                   | 80-120                  |       |  |  |
| 4-Bromofluorobenzene |            |                                      | 0.0317                   | 0.0300                | 106                   | 80-120                  |       |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| Lab Batch #:                 |           | Sample: 549416-019 / SMP      | Batch                    | n: 1 Matrix           |                       |                         |       |  |  |  |
|------------------------------|-----------|-------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|-------|--|--|--|
| Units:                       | mg/kg     | Date Analyzed: 03/28/17 14:25 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |  |
|                              | BTEX      | X by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |  |
|                              |           | Analytes                      |                          |                       | [D]                   |                         |       |  |  |  |
| 1,4-Difluorob                | enzene    |                               | 0.0293                   | 0.0300                | 98                    | 80-120                  |       |  |  |  |
| 4-Bromofluor                 | obenzene  |                               | 0.0243                   | 0.0300                | 81                    | 80-120                  |       |  |  |  |
| Lab Batch #                  | : 3013527 | Sample: 549416-020 / SMP      | Batch                    | n: 1 Matrix           | : Soil                |                         |       |  |  |  |
| Units:                       | mg/kg     | Date Analyzed: 03/28/17 14:41 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |  |
|                              |           | L by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |  |
| 1 4 Diffuench                |           | Analytes                      | 0.0245                   | 0.0200                |                       | 00.120                  |       |  |  |  |
| 1,4-Difluorob                |           |                               | 0.0345                   | 0.0300                | 115                   | 80-120                  |       |  |  |  |
| 4-Bromolluor<br>Lab Batch #: |           | Sample: 549416-021 / SMP      | 0.0241                   | 0.0300<br>n: 1 Matrix | 80<br>80              | 80-120                  |       |  |  |  |
|                              |           | •                             | Batch                    |                       |                       |                         |       |  |  |  |
| Units:                       | mg/kg     | Date Analyzed: 03/28/17 14:57 | SU                       | RROGATE R             | ECOVERYS              | STUDY                   |       |  |  |  |
|                              | BTEX      | K by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |  |
|                              |           | Analytes                      |                          |                       | [D]                   |                         |       |  |  |  |
| 1,4-Difluorob                | enzene    |                               | 0.0309                   | 0.0300                | 103                   | 80-120                  |       |  |  |  |
| 4-Bromofluor                 | obenzene  |                               | 0.0251                   | 0.0300                | 84                    | 80-120                  |       |  |  |  |
| Lab Batch #                  | : 3013527 | Sample: 549416-022 / SMP      | Batch                    | n: 1 Matrix           | : Soil                |                         |       |  |  |  |
| Units:                       | mg/kg     | Date Analyzed: 03/28/17 15:21 | SU                       | RROGATE R             | ECOVERY S             | STUDY                   |       |  |  |  |
|                              |           | A polytos                     | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |  |
| 1.4-Difluorob                |           | Analytes                      | 0.0250                   | 0.0200                |                       | 00.120                  |       |  |  |  |
| 4-Bromofluor                 |           |                               | 0.0350                   | 0.0300                | 117                   | 80-120                  |       |  |  |  |
| Lab Batch #:                 |           | Sample: 549416-023 / SMP      | 0.0310<br>Batch          | 0.0300<br>n: 1 Matrix | 103                   | 80-120                  |       |  |  |  |
| Units:                       | mg/kg     | Date Analyzed: 03/28/17 15:37 |                          |                       |                       |                         |       |  |  |  |
| 011113.                      | шу ку     | Date Analyzeu. 05/20/17 15.57 | SU                       | RROGATE R             | ECOVERY               | STUDY                   |       |  |  |  |
| BTEX by EPA 8021B            |           |                               | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |  |
|                              |           | Analytes                      |                          |                       | [D]                   |                         |       |  |  |  |
| 1,4-Difluorob                | enzene    |                               | 0.0306                   | 0.0300                | 102                   | 80-120                  |       |  |  |  |
| 4-Bromofluorobenzene         |           |                               | 0.0244                   | 0.0300                | 81                    | 80-120                  |       |  |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| T   | ···· - /1-       | Data Analanada 02/20/17 10.07 |                          |                       |                       |                         |          |  |
|---|------------------|-------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|----------|--|
| Units:  | mg/kg            | Date Analyzed: 03/28/17 18:05 | SURROGATE RECOVERY STUDY |                       |                       |                         |          |  |
|   | BTEX             | X by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage    |  |
|   |                  | Analytes                      |                          |                       | [D]                   |                         |          |  |
| 1,4-Difluorol   | benzene          |                               | 0.0330                   | 0.0300                | 110                   | 80-120                  |          |  |
| 4-Bromofluo   | robenzene        |                               | 0.0275                   | 0.0300                | 92                    | 80-120                  |          |  |
| Lab Batch #:         3013589         Sample:         549416-027 / SMP |                  |                               | Batc                     | h: 1 Matrix           | : Soil                | ·                       |          |  |
| Units:  | mg/kg            | Date Analyzed: 03/28/17 18:22 | SURROGATE RECOVERY STUDY |                       |                       |                         |          |  |
| BTEX by EPA 8021B<br>Analytes   |                  |                               | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags    |  |
| 1,4-Difluorobenzene   |                  |                               | 0.0312                   | 0.0300                | 104                   | 80-120                  |          |  |
| 4-Bromofluorobenzene  |                  |                               | 0.0312                   | 0.0300                | 88                    | 80-120                  |          |  |
| Lab Batch #: 3013589 Sample: 549416-025 / SMP                         |                  |                               | Batc                     |                       |                       | 00 120                  |          |  |
| Units:  | mg/kg            | Date Analyzed: 03/28/17 23:47 |                          | STUDY                 |                       |                         |          |  |
|   | BTEX             | t by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage    |  |
|   |                  | Analytes                      |                          |                       | [D]                   |                         |          |  |
| 1,4-Difluorol   | oenzene          |                               | 0.0326                   | 0.0300                | 109                   | 80-120                  |          |  |
| 4-Bromofluo   | robenzene        |                               | 0.0254                   | 0.0300                | 85                    | 80-120                  |          |  |
| Lab Batch #: 3013602         Sample: 549416-024 / SMP                 |                  |                               | Batch: 1 Matrix: Soil    |                       |                       |                         |          |  |
| Units:  | mg/kg            | Date Analyzed: 03/29/17 07:08 | SURROGATE RECOVERY STUDY |                       |                       |                         |          |  |
|   |                  | L by EPA 8021B<br>Analytes    | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flage    |  |
| 1,4-Difluorobenzene   |                  |                               | 0.0343                   | 0.0300                | 114                   | 80-120                  |          |  |
| 4-Bromofluorobenzene  |                  |                               | 0.0299                   | 0.0300                | 100                   | 80-120                  |          |  |
| Lab Batch #   | <b>:</b> 3013499 | Sample: 722212-1-BLK / BLK    | K Bate                   | h: 1 Matrix           | : Solid               |                         | <u> </u> |  |
| Units:  | mg/kg            | Date Analyzed: 03/24/17 23:55 | SU                       | RROGATE R             | ECOVERY S             | STUDY                   |          |  |
|   | TPH B            | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage    |  |
|   |                  | Analytes                      | [**]                     | [10]                  | [D]                   |                         |          |  |
| 1-Chloroocta  | ne               |                               | 94.8                     | 100                   | 95                    | 70-135                  |          |  |
| o-Terphenyl   |                  |                               | 49.0                     | 50.0                  | 98                    | 70-135                  |          |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



## Project Name: A14 Compressor Station Sump

| U <b>nits:</b>   | mg/kg      | Date Analyzed: 03/26/17 01:18 |                          |                       | FOOTEDT               |                         |       |  |  |
|--|------------|-------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|-------|--|--|
| units:   | mg/kg      | Date Analyzed: 05/20/17 01:18 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |
|  | TPH F      | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |
|  |            | Analytes                      |                          |                       | [D]                   |                         |       |  |  |
| 1-Chlorooc   | ane        |                               | 102                      | 100                   | 102                   | 70-135                  |       |  |  |
| o-Terpheny   | 1          |                               | 52.7                     | 50.0                  | 105                   | 70-135                  |       |  |  |
| Lab Batch  | #: 3013449 | Sample: 722180-1-BLK / B      | LK Bate                  | h: 1 Matrix           | : Solid               |                         |       |  |  |
| U <b>nits:</b>   | mg/kg      | Date Analyzed: 03/27/17 08:39 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |
|  |            | t by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |
| Analytes   |            |                               | 0.0255                   | 0.0200                |                       | 00.100                  |       |  |  |
| 1,4-Difluorobenzene  |            |                               | 0.0355                   | 0.0300                | 118                   | 80-120                  |       |  |  |
| 4-Bromofluorobenzene           Lab Batch #: 3013527         Sample: 722233-1-BLK / B |            |                               | 0.0341                   | 0.0300                | 114<br>               | 80-120                  |       |  |  |
|  |            | Sample: 722233-1-BLK / B      |                          |                       |                       |                         |       |  |  |
| Units:   | mg/kg      | Date Analyzed: 03/27/17 08:39 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |
|  | BTEX       | by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |
|  |            | Analytes                      |                          |                       | [D]                   |                         |       |  |  |
| 1,4-Difluor  | obenzene   |                               | 0.0355                   | 0.0300                | 118                   | 80-120                  |       |  |  |
| 4-Bromoflu   | orobenzene |                               | 0.0341                   | 0.0300                | 114                   | 80-120                  |       |  |  |
| Lab Batch  | #: 3013451 | Sample: 722182-1-BLK / B      | LK Bate                  | h: 1 Matrix           | : Solid               |                         |       |  |  |
| Units:   | mg/kg      | Date Analyzed: 03/27/17 21:41 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |
|  | BTEX       | by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |
|  |            | Analytes                      |                          |                       | [D]                   |                         |       |  |  |
| 1,4-Difluorobenzene  |            |                               | 0.0332                   | 0.0300                | 111                   | 80-120                  |       |  |  |
| 4-Bromofluorobenzene   |            |                               | 0.0271                   | 0.0300                | 90                    | 80-120                  |       |  |  |
| Lab Batch  | #: 3013589 | Sample: 722268-1-BLK / B      | LK Bate                  | h: 1 Matrix           | : Solid               |                         |       |  |  |
| Units:   | mg/kg      | Date Analyzed: 03/28/17 17:49 | SU                       | RROGATE R             | ECOVERY               | STUDY                   |       |  |  |
|  |            | by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |
|  |            | Analytes                      |                          |                       | [D]                   |                         |       |  |  |
| 1,4-Difluor  |            |                               | 0.0341                   | 0.0300                | 114                   | 80-120                  |       |  |  |
| 4-Bromoflu   | orobenzene |                               | 0.0272                   | 0.0300                | 91                    | 80-120                  |       |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



### Project Name: A14 Compressor Station Sump

| U <b>nits:</b> | mg/kg               | Date Analyzed: 03/29/17 01:42        | SU                     | <b>RROGATE R</b>      | ECOVERY S             | STUDY                   |       |
|----------------|---------------------|--------------------------------------|------------------------|-----------------------|-----------------------|-------------------------|-------|
|                | BTEX                | X by EPA 8021B                       | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                |                     | Analytes                             |                        |                       | [D]                   |                         |       |
| 1,4-Difluor    | obenzene            |                                      | 0.0280                 | 0.0300                | 93                    | 80-120                  |       |
| 4-Bromoflu     | orobenzene          |                                      | 0.0293                 | 0.0300                | 98                    | 80-120                  |       |
| Lab Batch      | #: 3013499          | Sample: 722212-1-BKS / BB            | KS Bate                | h: 1 Matrix           | : Solid               |                         |       |
| Units:         | mg/kg               | Date Analyzed: 03/24/17 23:06        | SU                     | RROGATE R             | ECOVERY S             | STUDY                   |       |
|                | TPH I               | By SW8015 Mod                        | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1 Chlanses     |                     | Analytes                             | 107                    | 100                   |                       | 70.105                  |       |
| 1-Chlorooc     |                     |                                      | 107                    | 100                   | 107                   | 70-135                  |       |
| o-Terpheny     | #: 3013501          | Semilar 700014 1 DKS / DI            | 55.2                   | 50.0                  | 110<br>               | 70-135                  |       |
|                |                     | Sample: 722214-1-BKS / BH            |                        |                       |                       |                         |       |
| Units:         | mg/kg               | <b>Date Analyzed:</b> 03/26/17 01:40 | SU                     | RROGATE R             | ECOVERY S             | STUDY                   |       |
|                | TPH I               | 3y SW8015 Mod                        | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                |                     | Analytes                             |                        |                       | [D]                   |                         |       |
| 1-Chlorooc     | tane                |                                      | 92.4                   | 100                   | 92                    | 70-135                  |       |
| o-Terpheny     | 1                   |                                      | 46.3                   | 50.0                  | 93                    | 70-135                  |       |
| Lab Batch      | #: 3013449          | Sample: 722180-1-BKS / BI            | KS Batc                | h: 1 Matrix           | : Solid               |                         |       |
| Units:         | mg/kg               | Date Analyzed: 03/27/17 07:17        | SU                     | RROGATE R             | ECOVERY S             | STUDY                   |       |
|                | BTEX                | X by EPA 8021B<br>Analytes           | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1,4-Difluor    | obenzene            |                                      | 0.0324                 | 0.0300                | 108                   | 80-120                  |       |
| 4-Bromoflu     |                     |                                      | 0.0324                 | 0.0300                | 103                   | 80-120                  |       |
|                | #: 3013527          | Sample: 722233-1-BKS / BI            |                        |                       |                       | 00 120                  |       |
| Units:         | mg/kg               | <b>Date Analyzed:</b> 03/27/17 07:17 |                        | RROGATE R             |                       | STUDY                   |       |
|                |                     | X by EPA 8021B                       | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                | Analytes            |                                      |                        |                       | [D]                   |                         |       |
| 1,4-Difluor    | obenzene            |                                      | 0.0324                 | 0.0300                | 108                   | 80-120                  |       |
|                | -Bromofluorobenzene |                                      |                        | 0.0300                | 104                   | 80-120                  |       |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



### Project Name: A14 Compressor Station Sump

| Lab Batch #:   |                   | Sample: 722182-1-BKS / BF            | BKS Batch: 1 Matrix: Solid SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |  |  |  |
|----------------|-------------------|--------------------------------------|---|-----------------------|-----------------------|-------------------------|-------|--|--|--|--|--|
| Units:         | mg/kg             | <b>Date Analyzed:</b> 03/27/17 20:19 | SU  | RROGATE R             | ECOVERY S             | STUDY                   |       |  |  |  |  |  |
|                | BTEX              | X by EPA 8021B                       | Amount<br>Found<br>[A]                              | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |  |  |  |  |  |
|                |                   | Analytes                             |   |                       | [D]                   |                         |       |  |  |  |  |  |
| 1,4-Difluorobe | enzene            |                                      | 0.0339  | 0.0300                | 113                   | 80-120                  |       |  |  |  |  |  |
| 4-Bromofluoro  | obenzene          |                                      | 0.0282  | 0.0300                | 94                    | 80-120                  |       |  |  |  |  |  |
| Lab Batch #:   | 3013589           | Sample: 722268-1-BKS / BI            | KS Bate   | h: 1 Matrix           | : Solid               |                         |       |  |  |  |  |  |
| Units:         | mg/kg             | Date Analyzed: 03/28/17 16:27        | SU  | RROGATE R             | ECOVERY S             | STUDY                   |       |  |  |  |  |  |
|                |                   | X by EPA 8021B<br>Analytes           | Amount<br>Found<br>[A]                              | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
| 1,4-Difluorobe |                   |                                      | 0.0336  | 0.0300                | 112                   | 80-120                  |       |  |  |  |  |  |
| 4-Bromofluoro  |                   |                                      | 0.0305  | 0.0300                | 102                   | 80-120                  |       |  |  |  |  |  |
| Lab Batch #:   | 3013602           | Sample: 722269-1-BKS / BB            |   | h: 1 Matrix           | _                     |                         |       |  |  |  |  |  |
| Units:         | mg/kg             | Date Analyzed: 03/29/17 00:20        |   | RROGATE R             |                       | STUDY                   |       |  |  |  |  |  |
|                | BTEX              | X by EPA 8021B                       | Amount<br>Found<br>[A]                              | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
|                |                   | Analytes                             | []  | [-]                   | [D]                   | ,                       |       |  |  |  |  |  |
| 1,4-Difluorobe | enzene            |                                      | 0.0341  | 0.0300                | 114                   | 80-120                  |       |  |  |  |  |  |
| 4-Bromofluoro  | obenzene          |                                      | 0.0273  | 0.0300                | 91                    | 80-120                  |       |  |  |  |  |  |
| Lab Batch #:   | 3013499           | Sample: 722212-1-BSD / BS            | SD Bate   | h: 1 Matrix           | : Solid               |                         |       |  |  |  |  |  |
| Units:         | mg/kg             | Date Analyzed: 03/24/17 23:30        | SU  | RROGATE R             | ECOVERY S             | STUDY                   |       |  |  |  |  |  |
|                |                   | By SW8015 Mod<br>Analytes            | Amount<br>Found<br>[A]                              | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
| 1-Chlorooctan  |                   | Anaryus                              | 117   | 100                   | 117                   | 70-135                  |       |  |  |  |  |  |
| o-Terphenyl    | 6                 |                                      |   | 50.0                  |                       |                         |       |  |  |  |  |  |
| Lab Batch #:   | 3013501           | Sample: 722214-1-BSD / BS            | 55.7<br>SD Bate                                     |                       | 111<br>• Solid        | 70-135                  |       |  |  |  |  |  |
| Units:         | mg/kg             | <b>Date Analyzed:</b> 03/26/17 02:00 |   | RROGATE R             |                       | TUDV                    |       |  |  |  |  |  |
| ~ 111031       |                   | 2 ute 111ui j 2 ut 05, 20, 17 02.00  | 50  | KUGAIE K              | LCOVERIS              |                         |       |  |  |  |  |  |
|                | TPH By SW8015 Mod |                                      |   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |  |  |  |  |  |
| r              | Analytes          |                                      |   |                       | [D]                   |                         |       |  |  |  |  |  |
|                | 1-Chlorooctane    |                                      |   | 100                   | 101                   | 70-135                  |       |  |  |  |  |  |
| o-Ternhenvl    | p-Terphenyl       |                                      |   | 50.0                  | 102                   | 70-135                  |       |  |  |  |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



### Project Name: A14 Compressor Station Sump

| U <b>nits:</b> | mg/kg               | Date Analyzed: 03/27/17 07:33    | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |  |  |  |
|----------------|---------------------|----------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|-------|--|--|--|--|--|
| units.         | mg/kg               | Date Analyzeu. 03/27/17/07.33    | SU                       | JRROGATE R            | ECOVERY               | STUDY                   |       |  |  |  |  |  |
|                | BTEX                | <b>X by EPA 8021B</b>            | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
|                |                     | Analytes                         |                          |                       | [D]                   |                         |       |  |  |  |  |  |
| 1,4-Difluoro   | obenzene            |                                  | 0.0316                   | 0.0300                | 105                   | 80-120                  |       |  |  |  |  |  |
| 4-Bromoflu     | orobenzene          |                                  | 0.0252                   | 0.0300                | 84                    | 80-120                  |       |  |  |  |  |  |
| Lab Batch      | #: 3013527          | Sample: 722233-1-BSD / BS        | SD Bate                  | h: 1 Matrix           | : Solid               |                         |       |  |  |  |  |  |
| Units:         | mg/kg               | Date Analyzed: 03/27/17 07:33    | SU                       | JRROGATE R            | ECOVERY               | STUDY                   |       |  |  |  |  |  |
|                |                     | by EPA 8021B<br>Analytes         | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
| 1.4-Difluor    |                     | Analytes                         | 0.0316                   | 0.0300                | 105                   | 80-120                  |       |  |  |  |  |  |
| 4-Bromoflu     |                     |                                  | 0.0252                   | 0.0300                | 84                    | 80-120                  |       |  |  |  |  |  |
|                | #: 3013451          | <b>Sample:</b> 722182-1-BSD / BS |                          |                       |                       | 00 120                  |       |  |  |  |  |  |
| Units:         | mg/kg               | Date Analyzed: 03/27/17 20:35    |                          | JRROGATE R            | -                     | STUDY                   |       |  |  |  |  |  |
|                | BTEX                | by EPA 8021B                     | Amount<br>Found          | True<br>Amount        | Recovery              | Control<br>Limits       | Flags |  |  |  |  |  |
|                |                     | Analytes                         | [A]                      | [B]                   | %R<br>[D]             | %R                      | 0     |  |  |  |  |  |
| 1,4-Difluor    | benzene             |                                  | 0.0347                   | 0.0300                | 116                   | 80-120                  |       |  |  |  |  |  |
| 4-Bromoflu     | orobenzene          |                                  | 0.0329                   | 0.0300                | 110                   | 80-120                  |       |  |  |  |  |  |
| Lab Batch      | #: 3013589          | Sample: 722268-1-BSD / BS        | SD Bate                  | h: 1 Matrix           | : Solid               | 1                       |       |  |  |  |  |  |
| Units:         | mg/kg               | Date Analyzed: 03/28/17 16:43    | SU                       | JRROGATE R            | ECOVERY               | STUDY                   |       |  |  |  |  |  |
|                |                     | by EPA 8021B                     | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
| 1.4 D:fl       |                     | Analytes                         | 0.0220                   | 0.0200                |                       | 00.100                  |       |  |  |  |  |  |
| 1,4-Difluor    |                     |                                  | 0.0330                   | 0.0300                | 110                   | 80-120                  |       |  |  |  |  |  |
| 4-Bromoflu     | #: 3013602          | Sample: 722269-1-BSD / BS        | 0.0308                   | 0.0300                | 103                   | 80-120                  |       |  |  |  |  |  |
|                |                     | •                                |                          |                       |                       |                         |       |  |  |  |  |  |
| Units:         | mg/kg               | Date Analyzed: 03/29/17 00:36    | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |  |  |  |  |  |
|                | BTEX by EPA 8021B   |                                  |                          | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flage |  |  |  |  |  |
|                | Analytes            |                                  |                          |                       | [D]                   |                         |       |  |  |  |  |  |
| 1,4-Difluor    | ,4-Difluorobenzene  |                                  |                          | 0.0300                | 116                   | 80-120                  |       |  |  |  |  |  |
| 4 Bromoflu     | -Bromofluorobenzene |                                  |                          | 0.0300                | 88                    | 80-120                  |       |  |  |  |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



### Project Name: A14 Compressor Station Sump

| Units:               | mg/kg              | Date Analyzed: 03/25/17 00:44 | SURROGATE RECOVERY STUDY |                       |                       |                         |       |  |  |  |  |  |
|----------------------|--------------------|-------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|-------|--|--|--|--|--|
| Units.               | mg/kg              | Date Analyzeu, 05/25/17/00.44 | SU                       | JKRUGATE R            | ECOVERY S             | STUDY                   |       |  |  |  |  |  |
|                      | TPH F              | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
|                      |                    | Analytes                      |                          |                       | [D]                   |                         |       |  |  |  |  |  |
| 1-Chlorooctane       | ;                  |                               | 103                      | 99.9                  | 103                   | 70-135                  |       |  |  |  |  |  |
| o-Terphenyl          |                    |                               | 47.5                     | 50.0                  | 95                    | 70-135                  |       |  |  |  |  |  |
| Lab Batch #:         | 3013501            | Sample: 549418-001 S / MS     | Bate                     | h: 1 Matrix           | : Soil                | I I                     |       |  |  |  |  |  |
| Units:               | mg/kg              | Date Analyzed: 03/26/17 02:41 | SU                       | JRROGATE R            | ECOVERY               | STUDY                   |       |  |  |  |  |  |
|                      |                    | By SW8015 Mod                 | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
| 1-Chlorooctane       |                    | Analytes                      | 065                      | 00.0                  |                       | 70-135                  |       |  |  |  |  |  |
| o-Terphenyl          |                    |                               | 96.5                     | 99.9<br>50.0          | 97                    | 70-135                  |       |  |  |  |  |  |
| Lab Batch #:         | 3013449            | Sample: 549416-001 S / MS     | Bate                     |                       |                       | 70-155                  |       |  |  |  |  |  |
| Units:               | mg/kg              | Date Analyzed: 03/27/17 07:50 |                          |                       |                       |                         |       |  |  |  |  |  |
| Units.               | iiig/kg            | Date Anaryzeu. 03/21/17/07.50 | SU                       | JRROGATE R            | ECOVERY               | STUDY                   |       |  |  |  |  |  |
|                      |                    | by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
|                      |                    | Analytes                      |                          |                       | [D]                   |                         |       |  |  |  |  |  |
| 1,4-Difluorobe       | nzene              |                               | 0.0308                   | 0.0300                | 103                   | 80-120                  |       |  |  |  |  |  |
| 4-Bromofluoro        |                    |                               | 0.0304                   | 0.0300                | 101                   | 80-120                  |       |  |  |  |  |  |
| Lab Batch #:         | 3013451            | Sample: 549416-002 S / MS     | Bate                     | h: 1 Matrix           | : Soil                |                         |       |  |  |  |  |  |
| Units:               | mg/kg              | Date Analyzed: 03/27/17 20:52 | SU                       | JRROGATE R            | ECOVERY S             | STUDY                   |       |  |  |  |  |  |
|                      |                    | L by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
| 1.4-Difluorobe       |                    | Analytes                      | 0.0257                   | 0.0200                |                       | 80.120                  |       |  |  |  |  |  |
| 4-Bromofluoro        |                    |                               | 0.0357                   | 0.0300                | 119                   | 80-120<br>80-120        |       |  |  |  |  |  |
| Lab Batch #:         |                    | Sample: 549416-013 S / MS     | Bate                     |                       |                       | 00-120                  |       |  |  |  |  |  |
| Units:               | mg/kg              | Date Analyzed: 03/28/17 08:08 |                          | JRROGATE R            |                       | STUDY                   |       |  |  |  |  |  |
|                      | BTEX               | L by EPA 8021B                | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |  |  |  |  |  |
| Analytes             |                    |                               |                          |                       | [D]                   |                         |       |  |  |  |  |  |
| 1,4-Difluorobe       | ,4-Difluorobenzene |                               |                          | 0.0300                | 109                   | 80-120                  |       |  |  |  |  |  |
| 4-Bromofluorobenzene |                    |                               | 0.0296                   | 0.0300                | 99                    | 80-120                  |       |  |  |  |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



### Project Name: A14 Compressor Station Sump

|              | r <b>ders :</b> 549410<br>#: 3013589 | 5,<br>Sample: 549416-026 S / MS | MS Batch: 1 Matrix: Soil |                       |                       |                         |          |  |  |  |
|--------------|--------------------------------------|---------------------------------|--------------------------|-----------------------|-----------------------|-------------------------|----------|--|--|--|
| Units:       | mg/kg                                | Date Analyzed: 03/28/17 17:00   | SU                       | RROGATE R             | ECOVERY               | STUDY                   |          |  |  |  |
|              | BTEX                                 | L by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags    |  |  |  |
|              |                                      | Analytes                        |                          |                       | [D]                   |                         |          |  |  |  |
| 1,4-Difluoro | obenzene                             |                                 | 0.0323                   | 0.0300                | 108                   | 80-120                  |          |  |  |  |
| 4-Bromoflu   | orobenzene                           |                                 | 0.0318                   | 0.0300                | 106                   | 80-120                  |          |  |  |  |
| Lab Batch    | #: 3013602                           | Sample: 549418-001 S / MS       | S Bate                   | h: 1 Matrix           | : Soil                |                         |          |  |  |  |
| Units:       | mg/kg                                | Date Analyzed: 03/29/17 00:53   | SU                       | RROGATE R             | ECOVERY S             | STUDY                   |          |  |  |  |
|              |                                      | L by EPA 8021B<br>Analytes      | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags    |  |  |  |
| 1,4-Difluoro |                                      |                                 | 0.0356                   | 0.0300                | 119                   | 80-120                  |          |  |  |  |
| 4-Bromoflu   |                                      |                                 | 0.0330                   | 0.0300                | 110                   | 80-120                  |          |  |  |  |
|              | #: 3013499                           | Sample: 549416-001 SD / N       |                          |                       |                       | 00 120                  |          |  |  |  |
| Units:       | mg/kg                                | Date Analyzed: 03/25/17 01:10   |                          | RROGATE R             | -                     | STUDY                   |          |  |  |  |
|              | TPH I                                | By SW8015 Mod                   | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags    |  |  |  |
|              |                                      | Analytes                        | [A]                      | [0]                   | [D]                   | 701                     |          |  |  |  |
| 1-Chlorooct  | ane                                  |                                 | 98.3                     | 99.7                  | 99                    | 70-135                  |          |  |  |  |
| o-Terpheny   | l                                    |                                 | 46.2                     | 49.9                  | 93                    | 70-135                  |          |  |  |  |
| Lab Batch    | #: 3013501                           | Sample: 549418-001 SD / N       | ASD Bate                 | h: 1 Matrix           | : Soil                | 1                       | I        |  |  |  |
| Units:       | mg/kg                                | Date Analyzed: 03/26/17 03:03   | SU                       | RROGATE R             | ECOVERY               | STUDY                   |          |  |  |  |
|              | TPH F                                | By SW8015 Mod                   | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags    |  |  |  |
|              |                                      | Analytes                        |                          |                       | [D]                   |                         |          |  |  |  |
| 1-Chlorooct  | ane                                  |                                 | 89.0                     | 99.9                  | 89                    | 70-135                  | <u> </u> |  |  |  |
| o-Terpheny   | l                                    |                                 | 43.7                     | 50.0                  | 87                    | 70-135                  |          |  |  |  |
| Lab Batch    | #: 3013449                           | Sample: 549416-001 SD / M       | ASD Bate                 | h: 1 Matrix           | : Soil                |                         |          |  |  |  |
| Units:       | mg/kg                                | Date Analyzed: 03/27/17 08:06   | SU                       | RROGATE R             | ECOVERY               | STUDY                   |          |  |  |  |
|              |                                      | L by EPA 8021B                  | Amount<br>Found<br>[A]   | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags    |  |  |  |
| 1.4.5.2      | Analytes                             |                                 |                          |                       | [D]                   |                         |          |  |  |  |
|              | ,4-Difluorobenzene                   |                                 |                          | 0.0300                | 117                   | 80-120                  |          |  |  |  |
| 4-Bromoflu   | orobenzene                           |                                 | 0.0329                   | 0.0300                | 110                   | 80-120                  |          |  |  |  |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



### Project Name: A14 Compressor Station Sump

|                | rders : 54941<br>#: 3013451 | 6,<br>Sample: 549416-002 SD / N | MSD Batch              |                       | : TRC# 2738<br>: Soil | 18                      |       |
|----------------|-----------------------------|---------------------------------|------------------------|-----------------------|-----------------------|-------------------------|-------|
| Units:         | mg/kg                       | Date Analyzed: 03/27/17 21:08   |                        | RROGATE R             |                       | STUDY                   |       |
|                | втех                        | K by EPA 8021B                  | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                |                             | Analytes                        |                        |                       | [D]                   |                         |       |
| 1,4-Difluor    | obenzene                    |                                 | 0.0358                 | 0.0300                | 119                   | 80-120                  |       |
| 4-Bromoflu     | iorobenzene                 |                                 | 0.0338                 | 0.0300                | 113                   | 80-120                  |       |
| Lab Batch      | #: 3013527                  | Sample: 549416-013 SD / N       | ASD Batch              | n: 1 Matrix           | : Soil                |                         |       |
| U <b>nits:</b> | mg/kg                       | Date Analyzed: 03/28/17 08:25   | SU                     | RROGATE R             | ECOVERY               | STUDY                   |       |
|                |                             | K by EPA 8021B<br>Analytes      | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1,4-Difluor    |                             |                                 | 0.0339                 | 0.0300                | 113                   | 80-120                  |       |
| 4-Bromoflu     | iorobenzene                 |                                 | 0.0310                 | 0.0300                | 103                   | 80-120                  |       |
| Lab Batch      | #: 3013589                  | Sample: 549416-026 SD / M       | MSD Batch              | n: 1 Matrix           | : Soil                | 1                       |       |
| Units:         | mg/kg                       | Date Analyzed: 03/28/17 17:16   | SU                     | RROGATE R             | ECOVERY               | STUDY                   |       |
|                | BTEX                        | K by EPA 8021B                  | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|                |                             | Analytes                        |                        |                       | [D]                   |                         |       |
| 1,4-Difluor    | obenzene                    |                                 | 0.0345                 | 0.0300                | 115                   | 80-120                  |       |
| 4-Bromoflu     | iorobenzene                 |                                 | 0.0300                 | 0.0300                | 100                   | 80-120                  |       |
| Lab Batch      | #: 3013602                  | Sample: 549418-001 SD / N       | ASD Batch              | n: 1 Matrix           | : Soil                |                         |       |
| U <b>nits:</b> | mg/kg                       | Date Analyzed: 03/29/17 01:09   | SU                     | RROGATE R             | ECOVERY               | STUDY                   |       |
|                | ВТЕХ                        | X by EPA 8021B<br>Analytes      | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1,4-Difluor    | obenzene                    |                                 | 0.0335                 | 0.0300                | 112                   | 80-120                  |       |
| 4-Bromoflu     | orobenzene                  |                                 | 0.0317                 | 0.0300                | 106                   | 80-120                  |       |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B





#### Project Name: A14 Compressor Station Sump

| Work Order   | r#: 549416              |                               |                       |                                 |                             |  |   | Proj                          | ject ID:   | TRC# 2738               | 18                        |      |  |  |
|--------------|-------------------------|-------------------------------|-----------------------|---------------------------------|-----------------------------|--|---|-------------------------------|------------|-------------------------|---------------------------|------|--|--|
| Analyst:     | ALJ                     | D                             | ate Prepar            | red: 03/27/201                  | 17                          |  |   | Date A                        | nalyzed: ( | 03/27/2017              |                           |      |  |  |
| Lab Batch ID | <b>Sample:</b> 722180-1 | -BKS                          | Batc                  | <b>h #:</b> 1                   |                             |  |   |                               | Matrix:    | Solid                   |                           |      |  |  |
| Units:       | mg/kg                   |                               | BLAN                  | K /BLANK                        | SPIKE / ]                   | E / BLANK SPIKE DUPLICATE RECOVERY STUDY |   |                               |            |                         |                           |      |  |  |
| Analy        | BTEX by EPA 8021B       | Blank<br>Sample Result<br>[A] | Spike<br>Added<br>[B] | Blank<br>Spike<br>Result<br>[C] | Blank<br>Spike<br>%R<br>[D] | Spike<br>Added<br>[E]                    | Blank<br>Spike<br>Duplicate<br>Result [F] | Blk. Spk<br>Dup.<br>%R<br>[G] | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |  |
| Benzene      | ,                       | <0.00150                      | 0.0998                | 0.0829                          | 83                          | 0.100                                    | 0.0801                                    | 80                            | 3          | 70-130                  | 35                        |      |  |  |
| Toluene      |                         | <0.00200                      | 0.0998                | 0.0936                          | 94                          | 0.100                                    | 0.0851                                    | 85                            | 10         | 70-130                  | 35                        |      |  |  |
| Ethylbenz    | zene                    | < 0.00200                     | 0.0998                | 0.0919                          | 92                          | 0.100                                    | 0.0876                                    | 88                            | 5          | 71-129                  | 35                        |      |  |  |
| m_p-Xyle     | enes                    | < 0.00200                     | 0.200                 | 0.178                           | 89                          | 0.201                                    | 0.173                                     | 86                            | 3          | 70-135                  | 35                        |      |  |  |
| o-Xylene     |                         | < 0.00299                     | 0.0998                | 0.0940                          | 94                          | 0.100                                    | 0.0892                                    | 89                            | 5          | 71-133                  | 35                        |      |  |  |
| Analyst:     | ALJ                     | D                             | ate Prepar            | red: 03/27/201                  | 17                          |  |   | Date A                        | nalyzed: ( | 03/27/2017              |                           |      |  |  |
| Lab Batch ID | <b>Sample:</b> 722182-1 | -BKS                          | Bate                  | <b>h #:</b> 1                   |                             |  |   |                               | Matrix: S  | Solid                   |                           |      |  |  |
| Units:       | mg/kg                   |                               | BLAN                  | K /BLANK                        | SPIKE / 1                   | BLANK S                                  | SPIKE DUP                                 | LICATE                        | RECOV      | ERY STUI                | DY                        |      |  |  |
| Analy        | BTEX by EPA 8021B       | Blank<br>Sample Result<br>[A] | Spike<br>Added<br>[B] | Blank<br>Spike<br>Result<br>[C] | Blank<br>Spike<br>%R<br>[D] | Spike<br>Added<br>[E]                    | Blank<br>Spike<br>Duplicate<br>Result [F] | Blk. Spk<br>Dup.<br>%R<br>[G] | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |  |
| Benzene      |                         | <0.00150                      | 0.0998                | 0.0802                          | 80                          | 0.0992                                   | 0.0878                                    | 89                            | 9          | 70-130                  | 35                        |      |  |  |
| Toluene      |                         | <0.00200                      | 0.0998                | 0.0850                          | 85                          | 0.0992                                   | 0.0947                                    | 95                            | 11         | 70-130                  | 35                        |      |  |  |
| Ethylbenz    | zene                    | <0.00200                      | 0.0998                | 0.0833                          | 83                          | 0.0992                                   | 0.0958                                    | 97                            | 14         | 71-129                  | 35                        |      |  |  |
| m_p-Xyle     | enes                    | <0.00200                      | 0.200                 | 0.161                           | 81                          | 0.198                                    | 0.186                                     | 94                            | 14         | 70-135                  | 35                        |      |  |  |
| o-Xylene     |                         | < 0.00299                     | 0.0998                | 0.0845                          | 85                          | 0.0992                                   | 0.0966                                    | 97                            | 13         | 71-133                  | 35                        |      |  |  |





#### Project Name: A14 Compressor Station Sump

| Work Order   | * <b>#:</b> 549416           |                               |                       |                                 |                             |  |   | Proj                          | ect ID:    | ГRC# 2738               | 18                        |      |  |  |
|--------------|------------------------------|-------------------------------|-----------------------|---------------------------------|-----------------------------|--|---|-------------------------------|------------|-------------------------|---------------------------|------|--|--|
| Analyst:     | ALJ                          | D                             | ate Prepar            | ed: 03/28/201                   | 7                           |  |   | Date A                        | nalyzed: ( | 03/27/2017              |                           |      |  |  |
| Lab Batch ID | : 3013527 Sample: 722233-1-H | BKS                           | Bate                  | <b>h #:</b> 1                   |                             |  |   |                               | Matrix: S  | Solid                   |                           |      |  |  |
| Units:       | mg/kg                        |                               | BLAN                  | K /BLANK                        | SPIKE / ]                   | E / BLANK SPIKE DUPLICATE RECOVERY STUDY |   |                               |            |                         |                           |      |  |  |
| Analy        | BTEX by EPA 8021B            | Blank<br>Sample Result<br>[A] | Spike<br>Added<br>[B] | Blank<br>Spike<br>Result<br>[C] | Blank<br>Spike<br>%R<br>[D] | Spike<br>Added<br>[E]                    | Blank<br>Spike<br>Duplicate<br>Result [F] | Blk. Spk<br>Dup.<br>%R<br>[G] | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |  |
| Benzene      |                              | <0.00150                      | 0.0998                | 0.0829                          | 83                          | 0.100                                    | 0.0799                                    | 80                            | 4          | 70-130                  | 35                        |      |  |  |
| Toluene      |                              | <0.00200                      | 0.0998                | 0.0936                          | 94                          | 0.100                                    | 0.0849                                    | 85                            | 10         | 70-130                  | 35                        |      |  |  |
| Ethylbenz    | ene                          | < 0.00200                     | 0.0998                | 0.0919                          | 92                          | 0.100                                    | 0.0875                                    | 88                            | 5          | 71-129                  | 35                        |      |  |  |
| m_p-Xyler    | nes                          | < 0.00200                     | 0.200                 | 0.178                           | 89                          | 0.200                                    | 0.173                                     | 87                            | 3          | 70-135                  | 35                        |      |  |  |
| o-Xylene     |                              | <0.00299                      | 0.0998                | 0.0940                          | 94                          | 0.100                                    | 0.0890                                    | 89                            | 5          | 71-133                  | 35                        |      |  |  |
| Analyst:     | ALJ                          | D                             | ate Prepar            | red: 03/28/201                  | 7                           |  |   | Date A                        | nalyzed: ( | )3/28/2017              |                           |      |  |  |
| Lab Batch ID | : 3013589 Sample: 722268-1-H | BKS                           | Batc                  | <b>h #:</b> 1                   |                             |  |   |                               | Matrix: S  | Solid                   |                           |      |  |  |
| Units:       | mg/kg                        |                               | BLAN                  | K /BLANK S                      | SPIKE / ]                   | BLANK S                                  | SPIKE DUP                                 | LICATE                        | RECOVI     | ERY STUE                | )Y                        |      |  |  |
| Analy        | BTEX by EPA 8021B            | Blank<br>Sample Result<br>[A] | Spike<br>Added<br>[B] | Blank<br>Spike<br>Result<br>[C] | Blank<br>Spike<br>%R<br>[D] | Spike<br>Added<br>[E]                    | Blank<br>Spike<br>Duplicate<br>Result [F] | Blk. Spk<br>Dup.<br>%R<br>[G] | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |  |
| Benzene      |                              | <0.00150                      | 0.100                 | 0.107                           | 107                         | 0.0998                                   | 0.0921                                    | 92                            | 15         | 70-130                  | 35                        |      |  |  |
| Toluene      |                              | <0.00200                      | 0.100                 | 0.112                           | 112                         | 0.0998                                   | 0.0993                                    | 99                            | 12         | 70-130                  | 35                        |      |  |  |
| Ethylbenz    | ene                          | < 0.00200                     | 0.100                 | 0.118                           | 118                         | 0.0998                                   | 0.104                                     | 104                           | 13         | 71-129                  | 35                        |      |  |  |
| m_p-Xyler    | nes                          | < 0.00200                     | 0.200                 | 0.228                           | 114                         | 0.200                                    | 0.200                                     | 100                           | 13         | 70-135                  | 35                        |      |  |  |
| o-Xylene     |                              | <0.00301 0.100 0.119 11       |                       |                                 |                             |  | 0.103                                     | 103                           | 14         | 71-133                  | 35                        |      |  |  |





#### Project Name: A14 Compressor Station Sump

| Work Order    | #: 549416                         |                               |   |                                 |                             |                       |   | Proj                          | ject ID:   | ГRC# 2738               | 18                        |      |
|---------------|-----------------------------------|-------------------------------|---|---------------------------------|-----------------------------|-----------------------|---|-------------------------------|------------|-------------------------|---------------------------|------|
| Analyst:      | ALJ                               | D                             | ate Prepar  | red: 03/28/201                  | 7                           |                       |   | Date A                        | nalyzed: ( | 3/29/2017               |                           |      |
| Lab Batch ID: | <b>Sample:</b> 722269-1- <b>H</b> | BKS                           | Batcl   | <b>h #:</b> 1                   |                             |                       |   |                               | Matrix: S  | Solid                   |                           |      |
| Units:        | mg/kg                             |                               | BLAN  | K /BLANK S                      | SPIKE / I                   | BLANK S               | SPIKE DUP                                 | LICATE                        | RECOVI     | ERY STUI                | ΟY                        |      |
|               | BTEX by EPA 8021B                 | Blank<br>Sample Result<br>[A] | Spike<br>Added  | Blank<br>Spike<br>Result        | Blank<br>Spike<br>%R        | Spike<br>Added        | Blank<br>Spike<br>Duplicate               | Blk. Spk<br>Dup.<br>%R        | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
| Analy         | tes                               |                               | [B]   | [C]                             | [D]                         | [E]                   | Result [F]                                | [G]                           |            |                         |                           |      |
| Benzene       |                                   | < 0.00149                     | 0.0990  | 0.0886                          | 89                          | 0.100                 | 0.0825                                    | 83                            | 7          | 70-130                  | 35                        |      |
| Toluene       |                                   | < 0.00198                     | <0.00198 0.0990 0.0935 94 0.100 0.0856 86 9 70-130 35 |                                 |                             |                       |   |                               |            |                         |                           |      |
| Ethylbenze    | ne                                | < 0.00198                     | 0.0990  | 0.0942                          | 95                          | 0.100                 | 0.0873                                    | 87                            | 8          | 71-129                  | 35                        |      |
| m_p-Xylen     | les                               | < 0.00198                     | 0.198   | 0.183                           | 92                          | 0.201                 | 0.171                                     | 85                            | 7          | 70-135                  | 35                        |      |
| o-Xylene      |                                   | < 0.00297                     | 0.0990  | 0.0965                          | 97                          | 0.100                 | 0.0905                                    | 91                            | 6          | 71-133                  | 35                        |      |
| Analyst:      | ALA                               | D                             | ate Prepar  | red: 04/01/201                  | 7                           |                       |   | Date A                        | nalyzed: ( | 4/01/2017               |                           |      |
| Lab Batch ID: | 3013911 Sample: 722455-1-H        | BKS                           | Batcl   | <b>h #:</b> 1                   |                             |                       |   |                               | Matrix: S  | Solid                   |                           |      |
| Units:        | mg/kg                             |                               | BLAN  | K /BLANK S                      | SPIKE / I                   | BLANK S               | SPIKE DUP                                 | LICATE                        | RECOVI     | ERY STUI                | ΟY                        |      |
| Analy         | Chloride by EPA 300<br>tes        | Blank<br>Sample Result<br>[A] | Spike<br>Added<br>[B]                                 | Blank<br>Spike<br>Result<br>[C] | Blank<br>Spike<br>%R<br>[D] | Spike<br>Added<br>[E] | Blank<br>Spike<br>Duplicate<br>Result [F] | Blk. Spk<br>Dup.<br>%R<br>[G] | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
| Chloride      |                                   | <1.00                         | 10.0  | 9.91                            | 99                          | 10.0                  | 10.0                                      | 100                           | 1          | 80-120                  | 20                        |      |





#### Project Name: A14 Compressor Station Sump

| Work Orden   | r#: 549416               |                    |                               |                       |                                 |                             |  |   | Proj                          | ject ID:   | FRC# 2738               | 318                       |      |  |  |
|--------------|--------------------------|--------------------|-------------------------------|-----------------------|---------------------------------|-----------------------------|--|---|-------------------------------|------------|-------------------------|---------------------------|------|--|--|
| Analyst:     | ALA                      |                    | D                             | ate Prepar            | red: 04/01/201                  | 7                           |  |   | Date A                        | nalyzed: ( | 04/02/2017              |                           |      |  |  |
| Lab Batch ID | : 3013926                | Sample: 722476-1-B | SKS                           | Batcl                 | <b>h #:</b> 1                   |                             |  |   |                               | Matrix: S  | Solid                   |                           |      |  |  |
| Units:       | mg/kg                    |                    |                               | BLAN                  | K /BLANK S                      | SPIKE / 1                   | E / BLANK SPIKE DUPLICATE RECOVERY STUDY |   |                               |            |                         |                           |      |  |  |
| Analy        | Chloride by EPA          | . 300              | Blank<br>Sample Result<br>[A] | Spike<br>Added<br>[B] | Blank<br>Spike<br>Result<br>[C] | Blank<br>Spike<br>%R<br>[D] | Spike<br>Added<br>[E]                    | Blank<br>Spike<br>Duplicate<br>Result [F] | Blk. Spk<br>Dup.<br>%R<br>[G] | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |  |
| Chloride     |                          |                    | <1.00                         | 10.0                  | 10.1                            | 101                         | 10.0                                     | 10.1                                      | 101                           | 0          | 80-120                  | 20                        |      |  |  |
| Analyst:     | ALA                      |                    | Da                            | ate Prepar            | red: 04/03/201                  | 7                           |  |   | Date A                        | nalyzed: ( | 04/03/2017              | 1                         |      |  |  |
| Lab Batch ID | : 3014002                | Sample: 722515-1-B | SKS                           | Batcl                 | <b>h #:</b> 1                   |                             |  |   |                               | Matrix: S  | Solid                   |                           |      |  |  |
| Units:       | mg/kg                    |                    |                               | BLAN                  | K /BLANK S                      | SPIKE / 1                   | BLANK S                                  | SPIKE DUP                                 | LICATE                        | RECOV      | ERY STUI                | DY                        |      |  |  |
| Analy        | Chloride by EPA          | . 300              | Blank<br>Sample Result<br>[A] | Spike<br>Added<br>[B] | Blank<br>Spike<br>Result<br>[C] | Blank<br>Spike<br>%R<br>[D] | Spike<br>Added<br>[E]                    | Blank<br>Spike<br>Duplicate<br>Result [F] | Blk. Spk<br>Dup.<br>%R<br>[G] | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |  |
| Chloride     | ytes                     |                    | <2.00                         | 20.0                  | 20.2                            | 101                         | 20.0                                     | 19.8                                      | 99                            | 2          | 80-120                  | 20                        |      |  |  |
| Analyst:     | ARM                      |                    |                               |                       | red: 03/24/201                  | -                           | 2010                                     | 1710                                      |                               | nalyzed: ( |                         |                           |      |  |  |
| Lab Batch ID | : 3013499                | Sample: 722212-1-B | SKS                           | Batcl                 | <b>h #:</b> 1                   |                             |  |   |                               | Matrix: S  | Solid                   |                           |      |  |  |
| Units:       | mg/kg                    |                    |                               | BLAN                  | K /BLANK S                      | SPIKE / ]                   | BLANK S                                  | SPIKE DUP                                 | LICATE                        | RECOV      | ERY STUI                | DY                        |      |  |  |
| Analy        | TPH By SW8015            |                    | Blank<br>Sample Result<br>[A] | Spike<br>Added<br>[B] | Blank<br>Spike<br>Result<br>[C] | Blank<br>Spike<br>%R<br>[D] | Spike<br>Added<br>[E]                    | Blank<br>Spike<br>Duplicate<br>Result [F] | Blk. Spk<br>Dup.<br>%R<br>[G] | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |  |
|              | asoline Range Hydrocarbo | ns                 | <15.0                         | 1000                  | 1070                            | 107                         | 1000                                     | 1150                                      | 115                           | 7          | 70-135                  | 35                        |      |  |  |
| C10-C28      | Diesel Range Organics    |                    | <15.0                         | 1000                  | 1060                            | 106                         | 1000                                     | 1130                                      | 113                           | 6          | 70-135                  | 35                        |      |  |  |





#### Project Name: A14 Compressor Station Sump

| Work Order   | #: 549416                                  |                               |                |                          |                      |                | Project ID: TRC# 273818              |                        |            |                         |                           |      |
|--------------|--|-------------------------------|----------------|--------------------------|----------------------|----------------|--------------------------------------|------------------------|------------|-------------------------|---------------------------|------|
| Analyst:     | ARM  | D                             | ate Prepai     | ed: 03/24/201            | 7                    |                |                                      | Date A                 | nalyzed: ( | )3/26/2017              |                           |      |
| Lab Batch ID | <b>:</b> 3013501 <b>Sample:</b> 722214-1-1 | BKS                           | Bate           | <b>h #:</b> 1            |                      |                |                                      |                        | Matrix: S  | Solid                   |                           |      |
| Units:       | mg/kg                                      |                               | BLAN           | K /BLANK S               | SPIKE / I            | BLANK S        | BLANK SPIKE DUPLICATE RECOVERY STUDY |                        |            |                         |                           |      |
|              | TPH By SW8015 Mod                          | Blank<br>Sample Result<br>[A] | Spike<br>Added | Blank<br>Spike<br>Result | Blank<br>Spike<br>%R | Spike<br>Added | Blank<br>Spike<br>Duplicate          | Blk. Spk<br>Dup.<br>%R | RPD<br>%   | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
| Analy        | rtes                                       |                               | [B]            | [C]                      | [D]                  | [E]            | Result [F]                           | [G]                    |            |                         |                           |      |
| C6-C10 G     | asoline Range Hydrocarbons                 | <15.0                         | 1000           | 908                      | 91                   | 1000           | 1040                                 | 104                    | 14         | 70-135                  | 35                        |      |
| C10-C28 I    | Diesel Range Organics                      | <15.0                         | 1000           | 885                      | 89                   | 1000           | 1000                                 | 100                    | 12         | 70-135                  | 35                        |      |



#### **Project Name: A14 Compressor Station Sump**



| <b>Work Order # :</b> 549416     |                                   |                       |                                |                               |                       | Project II                               | <b>D:</b> TRC#              | 273818   |                         |                           |      |
|----------------------------------|-----------------------------------|-----------------------|--------------------------------|-------------------------------|-----------------------|--|-----------------------------|----------|-------------------------|---------------------------|------|
| Lab Batch ID: 3013449            | QC- Sample ID:                    | 549416                | -001 S                         | Ba                            | tch #:                | 1 Matri                                  | <b>x:</b> Soil              |          |                         |                           |      |
| <b>Date Analyzed:</b> 03/27/2017 | Date Prepared:                    | 03/27/2               | 2017                           | Ar                            | nalyst: A             | ALJ                                      |                             |          |                         |                           |      |
| <b>Reporting Units:</b> mg/kg    |                                   | N                     | IATRIX SPIK                    | E / MAT                       | 'RIX SPI              | KE DUPLICA                               | TE REC                      | OVERY    | STUDY                   |                           |      |
| BTEX by EPA 8021B                | Parent<br>Sample<br>Result        | Spike<br>Added        | Spiked Sample<br>Result<br>[C] | Spiked<br>Sample<br>%R        | Spike<br>Added        | Duplicate<br>Spiked Sample<br>Result [F] | Spiked<br>Dup.<br>%R        | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
| Analytes                         | [A]                               | Added<br>[B]          | [C]                            | %K<br>[D]                     | E]                    | Kesuit [F]                               | %K<br>[G]                   | 70       | %K                      | %KPD                      |      |
| Benzene                          | < 0.00150                         | 0.0998                | 0.0740                         | 74                            | 0.0994                | 0.0741                                   | 75                          | 0        | 70-130                  | 35                        |      |
| Toluene                          | <0.00200                          | 0.0998                | 0.0771                         | 77                            | 0.0994                | 0.0743                                   | 75                          | 4        | 70-130                  | 35                        |      |
| Ethylbenzene                     | <0.00200                          | 0.0998                | 0.0752                         | 75                            | 0.0994                | 0.0704                                   | 71                          | 7        | 71-129                  | 35                        |      |
| m_p-Xylenes                      | < 0.00200                         | 0.200                 | 0.149                          | 75                            | 0.199                 | 0.142                                    | 71                          | 5        | 70-135                  | 35                        |      |
| o-Xylene                         | < 0.00299                         | 0.0998                | 0.0818                         | 82                            | 0.0994                | 0.0756                                   | 76                          | 8        | 71-133                  | 35                        |      |
| Lab Batch ID: 3013451            | QC- Sample ID:                    | 549416                | -002 S                         | Ba                            | tch #:                | 1 Matrix                                 | <b>x:</b> Soil              |          |                         |                           |      |
| <b>Date Analyzed:</b> 03/27/2017 | Date Prepared:                    | 03/27/2               | 2017                           | Ar                            | nalyst: /             | ALJ                                      |                             |          |                         |                           |      |
| <b>Reporting Units:</b> mg/kg    |                                   | N                     | IATRIX SPIK                    | E / MAT                       | 'RIX SPI              | KE DUPLICA                               | TE REC                      | OVERY    | STUDY                   |                           |      |
| BTEX by EPA 8021B<br>Analytes    | Parent<br>Sample<br>Result<br>[A] | Spike<br>Added<br>[B] | Spiked Sample<br>Result<br>[C] | Spiked<br>Sample<br>%R<br>[D] | Spike<br>Added<br>[E] | Duplicate<br>Spiked Sample<br>Result [F] | Spiked<br>Dup.<br>%R<br>[G] | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
| Benzene                          | < 0.00149                         | 0.0990                | 0.0701                         | 71                            | 0.0994                | 0.0736                                   | 74                          | 5        | 70-130                  | 35                        |      |
| Toluene                          | < 0.00198                         | 0.0990                | 0.0732                         | 74                            | 0.0994                | 0.0717                                   | 72                          | 2        | 70-130                  | 35                        |      |
| Ethylbenzene                     | < 0.00198                         | 0.0990                | 0.0708                         | 72                            | 0.0994                | 0.0702                                   | 71                          | 1        | 71-129                  | 35                        |      |
| m_p-Xylenes                      | <0.00198                          | 0.198                 | 0.143                          | 72                            | 0.199                 | 0.133                                    | 67                          | 7        | 70-135                  | 35                        | X    |
| o-Xylene                         | <0.00297                          | 0.0990                | 0.0736                         | 74                            | 0.0994                | 0.0727                                   | 73                          | 1        | 71-133                  | 35                        |      |

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



#### **Project Name: A14 Compressor Station Sump**



| <b>Work Order # :</b> 549416     |                                   |                       |                                |                               |                       | Project II                               | ): TRC#                     | 273818   |                         |                           |      |
|----------------------------------|-----------------------------------|-----------------------|--------------------------------|-------------------------------|-----------------------|--|-----------------------------|----------|-------------------------|---------------------------|------|
| Lab Batch ID: 3013527            | QC- Sample ID:                    | 549416                | -013 S                         | Ba                            | tch #:                | 1 Matrix                                 | <b>k:</b> Soil              |          |                         |                           |      |
| <b>Date Analyzed:</b> 03/28/2017 | Date Prepared:                    | 03/28/2               | 2017                           | An                            | alyst: A              | ALJ                                      |                             |          |                         |                           |      |
| <b>Reporting Units:</b> mg/kg    |                                   | N                     | IATRIX SPIK                    | E / MAT                       | RIX SPI               | KE DUPLICA                               | TE REC                      | OVERY    | STUDY                   |                           |      |
| BTEX by EPA 8021B                | Parent<br>Sample<br>Result        | Spike<br>Added        | Spiked Sample<br>Result<br>[C] | Spiked<br>Sample<br>%R        | Spike<br>Added        | Duplicate<br>Spiked Sample<br>Result [F] | Spiked<br>Dup.<br>%R        | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
| Analytes                         | [A]                               | [B]                   | [0]                            | [D]                           | [E]                   | Result [1]                               | [G]                         | /0       | /01                     |                           |      |
| Benzene                          | <0.00151                          | 0.101                 | 0.0864                         | 86                            | 0.101                 | 0.0755                                   | 75                          | 13       | 70-130                  | 35                        |      |
| Toluene                          | <0.00201                          | 0.101                 | 0.0896                         | 89                            | 0.101                 | 0.0767                                   | 76                          | 16       | 70-130                  | 35                        |      |
| Ethylbenzene                     | < 0.00201                         | 0.101                 | 0.0860                         | 85                            | 0.101                 | 0.0735                                   | 73                          | 16       | 71-129                  | 35                        |      |
| m_p-Xylenes                      | < 0.00201                         | 0.201                 | 0.166                          | 83                            | 0.202                 | 0.143                                    | 71                          | 15       | 70-135                  | 35                        |      |
| o-Xylene                         | < 0.00302                         | 0.101                 | 0.0928                         | 92                            | 0.101                 | 0.0735                                   | 73                          | 23       | 71-133                  | 35                        |      |
| Lab Batch ID: 3013589            | QC- Sample ID:                    | 549416                | -026 S                         | Ba                            | tch #:                | 1 Matrix                                 | <b>k:</b> Soil              |          |                         |                           |      |
| <b>Date Analyzed:</b> 03/28/2017 | Date Prepared:                    | 03/28/2               | 2017                           | An                            | alyst: A              | ALJ                                      |                             |          |                         |                           |      |
| Reporting Units: mg/kg           |                                   | N                     | IATRIX SPIK                    | E / MAT                       | RIX SPI               | KE DUPLICA                               | TE REC                      | OVERY    | STUDY                   |                           |      |
| BTEX by EPA 8021B<br>Analytes    | Parent<br>Sample<br>Result<br>[A] | Spike<br>Added<br>[B] | Spiked Sample<br>Result<br>[C] | Spiked<br>Sample<br>%R<br>[D] | Spike<br>Added<br>[E] | Duplicate<br>Spiked Sample<br>Result [F] | Spiked<br>Dup.<br>%R<br>[G] | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
| Benzene                          | < 0.00150                         | 0.0998                | 0.0874                         | 88                            | 0.0994                | 0.0811                                   | 82                          | 7        | 70-130                  | 35                        |      |
| Toluene                          | < 0.00200                         | 0.0998                | 0.0879                         | 88                            | 0.0994                | 0.0795                                   | 80                          | 10       | 70-130                  | 35                        |      |
| Ethylbenzene                     | < 0.00200                         | 0.0998                | 0.0853                         | 85                            | 0.0994                | 0.0723                                   | 73                          | 16       | 71-129                  | 35                        |      |
| m_p-Xylenes                      | < 0.00200                         | 0.200                 | 0.164                          | 82                            | 0.199                 | 0.137                                    | 69                          | 18       | 70-135                  | 35                        | Х    |
| o-Xylene                         | < 0.00299                         | 0.0998                | 0.0903                         | 90                            | 0.0994                | 0.0744                                   | 75                          | 19       | 71-133                  | 35                        |      |

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



#### **Project Name: A14 Compressor Station Sump**



| Work Order # :          | 549416              |                            |                |                                |                        |                | Project II                               | ): TRC#              | 273818   |                         |                           |      |
|-------------------------|---------------------|----------------------------|----------------|--------------------------------|------------------------|----------------|--|----------------------|----------|-------------------------|---------------------------|------|
| Lab Batch ID:           | 3013602             | QC- Sample ID:             | 549418-(       | 001 S                          | Ba                     | tch #:         | 1 Matrix                                 | <b>k:</b> Soil       |          |                         |                           |      |
| Date Analyzed:          | 03/29/2017          | Date Prepared:             | 03/28/20       | 17                             | An                     | alyst: A       | ALJ                                      |                      |          |                         |                           |      |
| <b>Reporting Units:</b> | mg/kg               |                            | MA             | ATRIX SPIKI                    | E / MAT                | RIX SPI        | KE DUPLICA                               | TE REC               | OVERY    | STUDY                   |                           |      |
|                         | BTEX by EPA 8021B   | Parent<br>Sample<br>Result | Spike<br>Added | Spiked Sample<br>Result<br>[C] | Spiked<br>Sample<br>%R | Spike<br>Added | Duplicate<br>Spiked Sample<br>Result [F] | Spiked<br>Dup.<br>%R | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
|                         | Analytes            | [A]                        | [B]            |                                | [D]                    | [E]            |  | [G]                  |          |                         |                           |      |
| Benzene                 |                     | <0.00151                   | 0.100          | 0.0716                         | 72                     | 0.101          | 0.0798                                   | 79                   | 11       | 70-130                  | 35                        |      |
| Toluene                 |                     | < 0.00201                  | 0.100          | 0.0726                         | 73                     | 0.101          | 0.0815                                   | 81                   | 12       | 70-130                  | 35                        |      |
| Ethylbenzene            |                     | <0.00201                   | 0.100          | 0.0728                         | 73                     | 0.101          | 0.0819                                   | 81                   | 12       | 71-129                  | 35                        |      |
| m_p-Xylenes             |                     | <0.00201                   | 0.201          | 0.143                          | 71                     | 0.202          | 0.155                                    | 77                   | 8        | 70-135                  | 35                        |      |
| o-Xylene                |                     | <0.00301                   | 0.100          | 0.0713                         | 71                     | 0.101          | 0.0841                                   | 83                   | 16       | 71-133                  | 35                        |      |
| Lab Batch ID:           | 3013911             | QC- Sample ID:             | 549265-(       | )21 S                          | Ba                     | tch #:         | 1 Matrix                                 | <b>k:</b> Soil       |          |                         |                           |      |
| Date Analyzed:          | 04/01/2017          | Date Prepared:             | 04/01/20       | 17                             | An                     | alyst: A       | ALA                                      |                      |          |                         |                           |      |
| <b>Reporting Units:</b> | mg/kg               |                            | MA             | ATRIX SPIKI                    | E / MAT                | RIX SPI        | KE DUPLICA                               | TE REC               | OVERY    | STUDY                   |                           |      |
|                         | Chloride by EPA 300 | Parent<br>Sample           | Spike          | Spiked Sample<br>Result        | Sample                 | Spike          | Duplicate<br>Spiked Sample               | Spiked<br>Dup.       | RPD      | Control<br>Limits       | Control<br>Limits         | Flag |
|                         | Analytes            | Result<br>[A]              | Added<br>[B]   | [C]                            | %R<br>[D]              | Added<br>[E]   | Result [F]                               | %R<br>[G]            | %        | %R                      | %RPD                      |      |
| Chloride                |                     | 1160                       | 99.4           | 1380                           | 221                    | 99.4           | 1360                                     | 201                  | 1        | 80-120                  | 20                        | Х    |
| Lab Batch ID:           | 3013911             | QC- Sample ID:             | 549416-(       | )02 S                          | Ba                     | tch #:         | 1 Matrix                                 | <b>k:</b> Soil       |          |                         |                           |      |
| Date Analyzed:          | 04/01/2017          | Date Prepared:             | 04/01/20       | 17                             | An                     | alyst: A       | ALA                                      |                      |          |                         |                           |      |
| <b>Reporting Units:</b> | mg/kg               |                            | MA             | ATRIX SPIKI                    | E / MAT                | RIX SPI        | KE DUPLICA                               | TE REC               | OVERY    | STUDY                   |                           |      |
|                         | Chloride by EPA 300 | Parent<br>Sample<br>Result | Spike<br>Added | Spiked Sample<br>Result<br>[C] | Spiked<br>Sample<br>%R | Spike<br>Added | Duplicate<br>Spiked Sample<br>Result [F] | Spiked<br>Dup.<br>%R | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
|                         | Analytes            | [A]                        | [B]            | [U]                            | [D]                    | [E]            | Acoutt [F]                               | [G]                  | /0       | /01                     |                           |      |
|                         |                     | 1                          |                |                                |                        |                |  |                      | 1        | 1                       | 1                         |      |

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



#### **Project Name: A14 Compressor Station Sump**



| Work Order # :          | 549416              |                            |                |                                |                        |                | Project II                               | : TRC#               | 273818   |                         |                           |      |
|-------------------------|---------------------|----------------------------|----------------|--------------------------------|------------------------|----------------|--|----------------------|----------|-------------------------|---------------------------|------|
| Lab Batch ID:           | 3013926             | QC- Sample ID:             | 549416         | -014 S                         | Ba                     | tch #:         | 1 Matrix                                 | : Soil               |          |                         |                           |      |
| Date Analyzed:          | 04/02/2017          | Date Prepared:             | 04/01/2        | 017                            | An                     | alyst: A       | ALA                                      |                      |          |                         |                           |      |
| <b>Reporting Units:</b> | mg/kg               |                            | Ν              | IATRIX SPIK                    | E / MAT                | RIX SPI        | KE DUPLICA                               | FE REC               | OVERY    | STUDY                   |                           |      |
|                         | Chloride by EPA 300 | Parent<br>Sample<br>Result | Spike          | Spiked Sample<br>Result        | Sample                 | Spike          | Duplicate<br>Spiked Sample               | Spiked<br>Dup.       | RPD      | Control<br>Limits       | Control<br>Limits         | Flag |
|                         | Analytes            | [A]                        | Added<br>[B]   | [C]                            | %R<br>[D]              | Added<br>[E]   | Result [F]                               | %R<br>[G]            | %        | %R                      | %RPD                      |      |
| Chloride                |                     | 62.5                       | 99.8           | 164                            | 102                    | 99.8           | 164                                      | 102                  | 0        | 80-120                  | 20                        |      |
| Lab Batch ID:           | 3013926             | QC- Sample ID:             | 549416         | -024 S                         | Ba                     | tch #:         | 1 Matrix                                 | : Soil               |          |                         |                           |      |
| Date Analyzed:          | 04/02/2017          | Date Prepared:             | 04/01/2        | 017                            | An                     | alyst: A       | ALA                                      |                      |          |                         |                           |      |
| <b>Reporting Units:</b> | mg/kg               |                            | N              | IATRIX SPIK                    | E / MAT                | RIX SPI        | KE DUPLICA                               | ге rec               | OVERY    | STUDY                   |                           |      |
|                         | Chloride by EPA 300 | Parent<br>Sample<br>Result | Spike          | Spiked Sample<br>Result        | Sample                 | Spike          | Duplicate<br>Spiked Sample               | Spiked<br>Dup.       | RPD      | Control<br>Limits       | Control<br>Limits         | Flag |
|                         | Analytes            | [A]                        | Added<br>[B]   | [C]                            | %R<br>[D]              | Added<br>[E]   | Result [F]                               | %R<br>[G]            | %        | %R                      | %RPD                      |      |
| Chloride                |                     | 34.8                       | 98.8           | 136                            | 102                    | 98.8           | 136                                      | 102                  | 0        | 80-120                  | 20                        |      |
| Lab Batch ID:           | 3014002             | QC- Sample ID:             | 549470         | -012 S                         | Ba                     | tch #:         | 1 Matrix                                 | : Solid              |          |                         |                           |      |
| Date Analyzed:          | 04/03/2017          | Date Prepared:             | 04/03/2        | 017                            | An                     | alyst: A       | ALA                                      |                      |          |                         |                           |      |
| <b>Reporting Units:</b> | mg/kg               |                            | Ν              | IATRIX SPIK                    | E / MAT                | RIX SPI        | KE DUPLICA                               | FE REC               | OVERY    | STUDY                   |                           |      |
|                         | Chloride by EPA 300 | Parent<br>Sample<br>Result | Spike<br>Added | Spiked Sample<br>Result<br>[C] | Spiked<br>Sample<br>%R | Spike<br>Added | Duplicate<br>Spiked Sample<br>Result [F] | Spiked<br>Dup.<br>%R | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |
|                         | Analytes            | [A]                        | [B]            | [0]                            | <sup>7</sup> 0K<br>[D] | E]             | Kesult [F]                               | 56K<br>[G]           | /0       | 70K                     | 70KPD                     |      |
| Chloride                |                     | 8090                       | 100            | 7970                           | 0                      | 100            | 7980                                     | 0                    | 0        | 80-120                  | 20                        | X    |

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



#### **Project Name: A14 Compressor Station Sump**



| <b>Work Order # :</b> 549416  |  |   |   |   |   | Project II  | ): TRC#   | 273818                                  |  |                               |      |
|---|--|---|---|---|---|---|---|---|--|-------------------------------|------|
| Lab Batch ID: 3014002   | QC- Sample ID:   | 549470  | -020 S  | Ba  | tch #:  | 1 Matrix  | <b>k:</b> Solid   |   |  |                               |      |
| <b>Date Analyzed:</b> 04/04/2017  | Date Prepared:   | 04/03/2   | 017   | An  | alyst: A  | ALA   |   |   |  |                               |      |
| Reporting Units: mg/kg  |  | N   | IATRIX SPIK   | E / MAT   | RIX SPI   | KE DUPLICA  | TE REC  | OVERY                                   | STUDY  |                               |      |
| Chloride by EPA 300   | Parent<br>Sample<br>Result   | Spike<br>Added  | Spiked Sample<br>Result<br>[C]  | Spiked<br>Sample<br>%R  | Spike<br>Added  | Duplicate<br>Spiked Sample<br>Result [F]                                  | Spiked<br>Dup.<br>%R  | RPD<br>%                                | Control<br>Limits<br>%R                        | Control<br>Limits<br>%RPD     | Flag |
| Analytes  | [A]  | [B]   |   | /0K<br>[D]  | [E]   | Kesun [F]   | [G]   | 70                                      | 70K  | 70KI D                        |      |
| Chloride  | 43.6   | 100   | 148   | 104   | 100   | 147   | 103   | 1                                       | 80-120   | 20                            |      |
| Lab Batch ID: 3013499   | QC- Sample ID:   | 549416  | -001 S  | Ba  | tch #:  | 1 Matrix  | <b>k:</b> Soil  |   | ·  |                               |      |
| <b>Date Analyzed:</b> 03/25/2017  | Date Prepared:   | 03/24/2   | 017   | An  | alyst: A  | ARM   |   |   |  |                               |      |
| <b>Reporting Units:</b> mg/kg   |  | Ν   | IATRIX SPIK   | E / MAT   | RIX SPI   | KE DUPLICA  | TE REC  | OVERY                                   | STUDY  |                               |      |
| TPH By SW8015 Mod   | Parent<br>Sample<br>Result   | Spike<br>Added  | Spiked Sample<br>Result<br>[C]  | Spiked<br>Sample<br>%R  | Spike<br>Added  | Duplicate<br>Spiked Sample<br>Result [F]                                  | Spiked<br>Dup.<br>%R  | RPD<br>%                                | Control<br>Limits<br>%R                        | Control<br>Limits<br>%RPD     | Flag |
|   |  | hohh A  |   | <b>V</b> <sub>0</sub> <b>R</b>                                    | Added   | Result   F  | <b>%</b> R  | <b>%</b>                                | <b>₩</b>                                       | ⊢ %RPD                        |      |
| Analytes  | [A]  | [B]   |   | [D]   | [E]   | itesuit [1]   | [G]   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |  | /0112                         |      |
| Analytes C6-C10 Gasoline Range Hydrocarbons   |  |   | 1050  |   |   | 998   |   | 5                                       | 70-135   | 35                            |      |
|   | [A]  | [B]   |   | [D]   | [E]   |   | [G]   |   |  |                               |      |
| C6-C10 Gasoline Range Hydrocarbons  | [A]<br><15.0   | [ <b>B</b> ]<br>999<br>999                                    | 1050<br>1030  | [ <b>D</b> ]<br>105<br>95   | [E]<br>997  | 998<br>993  | [G]<br>100  | 5                                       | 70-135   | 35                            |      |
| C6-C10 Gasoline Range Hydrocarbons<br>C10-C28 Diesel Range Organics   | [A]<br><15.0<br>79.9   | [ <b>B</b> ]<br>999<br>999<br>549418                          | 1050<br>1030<br>-001 S  | [ <b>D</b> ]<br>105<br>95<br><b>Ba</b>                            | [E]<br>997<br>997   | 998<br>993<br>1 <b>Matri</b>  | [G]<br>100<br>92  | 5                                       | 70-135   | 35                            |      |
| C6-C10 Gasoline Range Hydrocarbons<br>C10-C28 Diesel Range Organics<br>Lab Batch ID: 3013501  | [A]<br><15.0<br>79.9<br>QC- Sample ID:   | [ <b>B</b> ]<br>999<br>999<br>549418<br>03/24/2               | 1050<br>1030<br>-001 S<br>017   | [D]<br>105<br>95<br>Ba<br>An                                      | [E]<br>997<br>997<br>tch #:<br>aalyst: 4                              | 998<br>993<br>1 <b>Matri</b>  | [G]<br>100<br>92<br>x: Soil                                   | 5 4                                     | 70-135<br>70-135                               | 35                            |      |
| C6-C10 Gasoline Range Hydrocarbons<br>C10-C28 Diesel Range Organics<br>Lab Batch ID: 3013501<br>Date Analyzed: 03/26/2017   | [A]<br><15.0<br>79.9<br>QC- Sample ID:<br>Date Prepared:<br>Parent<br>Sample           | [ <b>B</b> ]<br>999<br>549418<br>03/24/2<br><b>N</b><br>Spike | 1050<br>1030<br>-001 S<br>017<br>IATRIX SPIK<br>Spiked Sample<br>Result | [D]<br>105<br>95<br>Ba<br>An<br>E / MAT<br>Spiked<br>Sample       | [E]<br>997<br>997<br>tch #:<br>aalyst: 4<br>RIX SPI<br>Spike          | 998<br>993<br>1 Matrix<br>ARM<br>KE DUPLICA<br>Duplicate<br>Spiked Sample | [G]<br>100<br>92<br>x: Soil<br>TE REC<br>Spiked<br>Dup.       | 5<br>4<br>OVERY S<br>RPD                | 70-135<br>70-135<br>STUDY<br>Control<br>Limits | 35<br>35<br>Control<br>Limits | Flag |
| C6-C10 Gasoline Range Hydrocarbons         C10-C28 Diesel Range Organics         Lab Batch ID:       3013501         Date Analyzed:       03/26/2017         Reporting Units:       mg/kg         | [A]<br><15.0<br>79.9<br>QC- Sample ID:<br>Date Prepared:<br>Parent                     | [ <b>B</b> ]<br>999<br>549418<br>03/24/2<br><b>N</b>          | 1050<br>1030<br>-001 S<br>017<br>IATRIX SPIK                            | [D]<br>105<br>95<br>Ba<br>An<br>E / MAT<br>Spiked                 | [E]<br>997<br>997<br>tch #:<br>alyst: 4<br>RIX SPI                    | 998<br>993<br>1 Matrix<br>ARM<br>KE DUPLICA<br>Duplicate                  | [G]<br>100<br>92<br>x: Soil<br>TE REC<br>Spiked               | 5<br>4<br>OVERY 5                       | 70-135<br>70-135<br>STUDY<br>Control           | 35<br>35<br>Control           | Flag |
| C6-C10 Gasoline Range Hydrocarbons         C10-C28 Diesel Range Organics         Lab Batch ID: 3013501         Date Analyzed: 03/26/2017         Reporting Units: mg/kg         TPH By SW8015 Mod | [A]<br><15.0<br>79.9<br>QC- Sample ID:<br>Date Prepared:<br>Parent<br>Sample<br>Result | [B]<br>999<br>549418<br>03/24/2<br>N<br>Spike<br>Added        | 1050<br>1030<br>-001 S<br>017<br>IATRIX SPIK<br>Spiked Sample<br>Result | [D]<br>105<br>95<br>Ba<br>An<br>E / MAT<br>Spiked<br>Sample<br>%R | [E]<br>997<br>997<br>tch #:<br>aalyst: A<br>RIX SPI<br>Spike<br>Added | 998<br>993<br>1 Matrix<br>ARM<br>KE DUPLICA<br>Duplicate<br>Spiked Sample | [G]<br>100<br>92<br>x: Soil<br>TE REC<br>Spiked<br>Dup.<br>%R | 5<br>4<br>OVERY S<br>RPD                | 70-135<br>70-135<br>STUDY<br>Control<br>Limits | 35<br>35<br>Control<br>Limits | Flag |

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

| Relinquished by:  | Relinquished by  | Relinquished  | Bill to F  | Special               |         |     |      |        |       |       |        |        |        |      | LAB # (lab use only)                            | ORDER #:         | (lab use only) |  |                |                      |                       |                               |                             | The Environme                                  |
|-------------------|--|---|--|-----------------------|---------|-----|------|--------|-------|-------|--------|--------|--------|------|---|------------------|----------------|--|----------------|----------------------|-----------------------|-------------------------------|-----------------------------|--|
| shed by:          | shed by:   | shed by:  | Energy   | Special Instructions: | 2-10 10 | -is | 11-0 | 5-4 6" | 5-311 | 5-36" | r1 8-5 | 5-2 6" | 5-1 1. | 5-16 | 7   | R# 0101          |                | Sampler Signature:                                     | Telephone No:  | City/State/Zip:      | Company Address:      | Company Name                  | Project Manager:            | The Environmental Lab of Texas                 |
|                   |  | tion :  | Transfer.  |                       |         |     |      |        |       |       |        |        |        | 14   | FIELD CODE                                      | 116              | 111            | Mulu   | 432.520.7720   | Midland, Texas 79703 | : 2057 Commerce Drive | TRC Environmental Corporation | Nikki Green                 | 8  |
| Date              | Date   | Ja4   |  |                       |         |     |      |        |       |       |        |        |        |      |   | -                |                | 14   |                | 9703                 | Drive                 | tal Corp                      |                             |  |
| -                 |  | hic   |  |                       |         |     | +    |        |       |       |        |        |        |      | Beginning Depth                                 |                  |                | the  | >              |                      |                       | oration                       |                             |  |
| Time              | lime   | Ime   |  |                       |         |     |      |        |       |       |        |        |        |      | Ending Depth                                    |                  |                | 2  |                |                      |                       |                               |                             |  |
| Received by ELOT: | Received by:   | Received by:  |  | ł                     | celt    | te  | +    | F      |       |       |        |        |        | 3/22 | Date Sampled                                    |                  |                | 2  |                |                      |                       |                               |                             |  |
| LOT:              |  | AMON  |  | 44                    | 010     | 020 | 1030 | 1530.  | 1340  | 1335  | 1320   | 13/5   | 1305   | 1300 | Time Sampled                                    |                  |                | e-mail:  | - Fax No:      |                      |                       |                               |                             |  |
|                   |  | 0   |  |                       |         |     |      |        | 1     | •     |        |        |        |      | Field Filtered                                  | 1                |                |  |                |                      |                       |                               |                             |  |
|                   |  |   |  | -                     | -       |     |      | -      | -     | -     | -      | -      | -      | -    | Total #. of Containers                          | $\vdash$         |                | 17   |                |                      |                       |                               |                             | 0-   |
|                   |  |   |  | ×                     | ×       | ×   | ×    | ×      | ×     | ×     | ×      | ×      | ×      | ×    | Ice<br>HNO <sub>3</sub>                         | Pre              |                | rose.slade@energytransfer.c<br>ngreen@trcsolutions.com |                |                      |                       |                               |                             | 12600 West I-20 East<br>Odessa, Texas 79765    |
|                   |  |   |  | 1                     | -       | +   | +    | -      | -     |       |        |        | -      | _    | HNO <sub>3</sub><br>HCI                         | Preservation & # |                | lade   |                |                      |                       |                               |                             | o W  |
|                   |  |   |  | +                     | +       | -   | +    | +      | -     |       | -      | -      | -      | -    | H <sub>2</sub> SO <sub>4</sub>                  | ation            |                | <u></u>  |                |                      |                       |                               |                             | Tex  |
|                   |  |   |  | H                     | +       | +   | +    | +      | -     |       | -      | -      |        | -    | NaOH  | &<br># 0         |                | rcso   |                |                      |                       |                               |                             | -20<br>as 7                                    |
|                   |  |   |  | H                     | +       | +   | +    |        |       |       | -      | -      |        |      | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>   | fCor             |                | gyt  |                |                      |                       |                               |                             | 0 East<br>79765                                |
| -                 | -  | 1   | 1  | F                     | +       | +   | +    |        |       | -     |        |        |        |      | None  | of Containers    |                | ons.   |                |                      |                       |                               |                             | 01   |
|                   |  | N   | 1.   |                       | +       | +   | +    | 1      | 1     | 1     |        | 1      |        |      | Other ( Specify)                                | - 2              |                | cor  |                |                      |                       |                               |                             |  |
| Date              | Date   | Date  | 1.1  |                       | -       |     | 1    |        |       |       | 12     | 1.1    |        |      | DW=Drinking Water SL=Sludge                     | 7                |                | ergytransfer.com<br>solutions.com                      |                |                      |                       |                               |                             |  |
|                   | . 53   | -È  |  |                       |         |     | Soil | Soil   | Soil  | Soil  | Soil   | Soil   | Soil   | Soil | GW = Groundwater S=Soil/Solid                   | Matrix           |                | 1-   | Report Format: |                      |                       |                               | -                           |  |
|                   |  |   |  | L                     |         |     |      |        |       |       |        | _      |        |      | NP=Non-Potable Specify Other                    | -                |                | ad 3   | ontF           |                      | Pro                   | 1                             | roje                        |  |
| Time              | Ime  | Sime  |  | ×                     | ×       | ×   | ×    | ×      | ×     | ×     | ×      | ×      | ×      | ×    |   | 15B              | fang           | 693  | orm            |                      | Project Loc:          | Project #:                    | Project Name:               |  |
|                   | 10   | U   | - 10   | -                     | +       | +   | +    | -      | -     |       | -      | -      | -      |      | TPH: TX 1005 TX 1006<br>Cations (Ca, Mg, Na, K) | -                |                |  | at:            | PO #:                | Loc                   | ect #                         | ame                         |  |
| em                | bam  | ust   | ioc.   | abo                   | +       | -   | +    | -      | +     | -     |        | -      |        |      | Anions (CI, SO4, Alkalinity)                    | -                | -              |  |                | 1                    | 1                     | 1                             |                             | t I-20 East<br>5xas 79765<br>Fax: 432-563-1713 |
| pera              | y Sa<br>y Co   | ody of  | s Fre  | rato                  | +       | +   | +    | +      | +     | -     |        |        |        | -    | SAR / ESP / CEC                                 | -                | TOTAL:         |  | X St           |                      |                       |                               |                             |  |
| Temperature Up    | mple   | seals   | ionta<br>e of  | 2                     | +       | +   | +    | +      | +     | -     | -      |        |        |      | Metals: As Ag Ba Cd Cr Pb Hg                    | Se               |                | Þ  | Standard       |                      |                       |                               | A1                          | Phone<br>Fax:                                  |
| Up                | ? Deli   | on  | Hea  | 1<br>1                | +       | +   | +    | +      |       |       |        |        |        |      | Volatiles                                       |                  |                | naly   | rd             |                      |                       |                               | 0                           | X:   |
| 10                | UF   | er(s)<br>cool   | s Int  | Laboratory Comments:  | +       | 1   |      | 1      |       |       |        |        |        |      | Semivolatiles                                   |                  |                | Analyze For:   |                |                      | F                     | 井                             | duic                        | 432  |
| Temp:             | Sample Hand Delivered<br>by Sampler/Client Rep. ?<br>by Courier? UPS | Labels on container(s)<br>Custody seals on container(s)<br>Custody seals on cooler(s) | Sample Containers Intact?<br>VOCs Free of Headspace? | ts: ×                 | ×       | ×   | ( ×  | ×      | ×     | ×     | ×      | ×      | ×      | ×    | BTEX 8021B/5030 or BTEX 82                      | 260              |                | 07   |                |                      | a C                   | C#                            | res                         | -56  |
|                   | PHI  | r(s)  |  |                       | 1       |     |      |        | 1     |       |        |        |        |      | RCI   |                  |                |  | TRRP           |                      | oun                   | N                             | sor                         | Phone: 432-563-1800<br>Fax: 432-563-1713       |
| Temp: J           | ÷.   |   |  |                       | 1       | 1   |      | 1      |       |       |        |        |        |      | N.O.R.M.  |                  |                |  | RP             |                      | Lea County, NM        | TRC #: 273818                 | Sta                         | 300  |
| Temp: 212         | τ.   |   |  |                       | ×       | ×   | ×    | ××     | ×     | ×     | ×      | ×      | ×      | ×    | Chlorides E 300.1                               |                  |                |  |                |                      | M                     | 18                            | A14 Compressor Station Sump |  |
| 4                 | . **   | ~~~   | ~ ~  |                       |         |     |      |        |       |       |        |        |        |      |   |                  |                |  |                |                      |                       |                               | Su                          |  |
| Q                 | N N N  |   |  |                       |         |     |      |        |       |       |        |        |        |      | 1.  |                  |                |  | NPDES          |                      |                       |                               | du                          |  |
| 1                 | :H-8   | ZZZ   | zz   |                       |         |     |      |        |       |       |        |        |        |      | RUSH TAT (Pre-Schedule) 24                      | , 48,            | 72 hrs         |  | )ES            |                      |                       |                               |                             |  |
|                   | -  |   |  | ×                     | ×       | ×   | ×    | ×      | ×     | ×     | ×      | ×      | ×      | ×    | Standard TAT                                    |                  |                |  |                | 1                    | 1                     |                               |                             |  |

| Relinquished by:  | Relinquished by       | Dolinaridostic  | Bill to R  | Special               |       |      |      |      |       |      |      |       |      |      | LAB # (lab use only)   | CADE            |        | (lab use only) |                             |                 |                      |                     |                               |                             | The En  |
|-------------------|-----------------------|---|--|-----------------------|-------|------|------|------|-------|------|------|-------|------|------|--|-----------------|--------|----------------|-----------------------------|-----------------|----------------------|---------------------|-------------------------------|-----------------------------|---|
| ned by:           | led by:               | Tully   | Bill to Rose Slade at Energy Transfer  | Special Instructions: | NI LI | NS-  | 1.3  | 10-2 | 22-50 | NS-K | 1-00 | NS-   | 5.7  | 4    | 2  |                 | 12010  | onlv)          | Sampler Signature:          | Telephone No:   | City/State/Zip:      | Company Address:    | Company Name                  | Project Manager:            | The Environmental Lab of Texas                          |
|                   |                       | Liven   | argy Transfer.   | 01                    | 5011  | 1011 | 22"  | 16"  |       | 2    | 1.   | 1     | 1.   | (0 ) | FIELD CODE   | 1114            | 2146   |                | nature:                     | 0: 432.520.7720 |                      |                     |                               | ager: Nikki Green           | ) of Texas  |
| Date              | 1 Date                | 3/24/1-   |  |                       |       |      |      |      |       |      |      |       |      |      |  | -               | _      |                | nuble                       | 7720            | Midland, Texas 79703 | 2057 Commerce Drive | TRC Environmental Corporation | en                          |   |
| 1                 |                       | 14  | 1  | Ű                     |       |      |      |      |       |      |      |       |      |      | Beginning Depth  |                 |        |                | Deen                        | -               |                      | Ľ.                  | ration                        |                             |   |
| Time              | Time                  | The S   |  |                       |       |      |      |      |       |      |      |       |      |      | Ending Depth   |                 |        |                | 1                           |                 |                      |                     |                               |                             |   |
| Received by ELOT: | Received by:          | Received by:  |  | ł                     |       |      |      |      |       |      |      |       |      | 263  | Date Sampled   |                 |        |                |                             |                 |                      |                     |                               |                             |   |
| OT:               |                       | RAMU  |  | 1142                  | Chil  | 1139 | 1128 | 1120 | IIIS  | 1100 | 1020 | 010   | 1005 | 950  | Time Sampled   |                 |        |                | - e-mail:                   | Fax No:         |                      |                     |                               |                             |   |
|                   |                       | R   |  | -                     | 1     |      |      |      | 1.1   | 111  |      | 1     | 10   |      | Field Filtered   | 1               |        |                |                             |                 |                      |                     |                               |                             |   |
|                   |                       | ( >   |  |                       |       |      |      |      |       |      |      | -     | -    |      | Total #. of Containers   |                 | 1      |                | 6                           |                 |                      |                     |                               |                             | ~ `   |
|                   |                       |   |  | ×                     | ×     | ×    | ×    | ×    | ×     | ×    | ×    | ×     | ×    | ×    | Ice<br>HNO <sub>3</sub>  | Pre             |        | DU             | rose.slade@energytransfer.c |                 |                      |                     |                               |                             | 12600 West I-20 East<br>Odessa, Texas 79765             |
|                   |                       | 1.1   |  | -                     | +     |      | +    | 1    |       |      |      |       |      | -    | HCI  | Preservation &  |        | reen           | lade                        |                 |                      |                     |                               | 1                           | o W<br>ssa,   |
|                   |                       |   |  |                       | 1     | 1    |      |      |       |      |      |       | -    |      | H <sub>2</sub> SO <sub>4</sub>   | ation           |        | 1001           | 00                          |                 |                      |                     |                               |                             | est<br>Tex  |
|                   |                       |   |  |                       |       |      |      |      |       |      |      |       | 111  |      | NaOH   |                 |        | CSO.           | iner                        |                 |                      |                     |                               |                             | I-20<br>as 7  |
|                   |                       |   |  |                       |       |      |      |      |       |      |      |       |      |      | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>  | # of Containers |        | lutic          | gytr                        |                 |                      |                     |                               |                             | Eas<br>976  |
|                   | 1                     | A   |  |                       |       |      |      |      |       |      |      |       |      |      | None   | ainen           |        | Ins.           | ans                         |                 |                      |                     |                               |                             | 01 A  |
| Date              | Date                  | Date  |  |                       |       |      |      |      |       |      |      | -     |      |      | Other ( Specify)   | Ľ               |        | nioc           | ergytransfer.com            |                 |                      |                     | 1                             |                             |   |
| _                 |                       | 1 ha  |  | Soil                  | Soil  | Soil | Soil | Soil | Soil  | Soil | Soil | Soil  | Soil | Soil | DW=Drinking Water SL=Sludge<br>GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other | Matrix          |        |                | 9                           | Report Format:  |                      | 2                   |                               | Pr                          | t I-20 East<br>Phone: 432-563-1800<br>Fax: 432-563-1713 |
| Timo              | Time                  | Time  |  | ×                     | ×     | ×    | ×    | ×    | ×     | ×    | ×    | ×     | ×    | ×    | TPH: 418.1 8015M 801   | 5B              | Len    | le             | d35                         | For             |                      | Proje               | P                             | oject                       |   |
|                   |                       | VY  |  |                       |       |      |      |      |       |      |      |       |      |      | TPH: TX 1005 TX 1006   | 1               |        |                |                             | mat             | PC                   | Project Loc:        | Project #:                    | Project-Name:               |   |
| ~                 | Sample Hand Delivered | Cust  | Laboratory Comments:<br>Sample Containers Intac<br>VOCs Free of Headspace    |                       | 1.1   | lat. |      |      |       |      |      |       | -    | 21   | Cations (Ca, Mg, Na, K)  |                 |        |                |                             |                 | PO #:                | 00:                 | #                             | ne:                         |   |
| by Ci             | hy S:                 | ody<br>ody  | ple (<br>s Fr  | -                     | -     | -    |      |      |       |      |      | =     |      | -    | Anions (CI, SO4, Alkalinity)   | -               | TOTAL: |                | >                           |                 |                      |                     |                               | 1                           |   |
|                   | lanc                  | n con<br>seal   | Cont<br>Cont   | -                     | -     |      |      |      |       | _    | _    | _     | -    | -    | SAR / ESP / CEC  | _               | P      |                |                             | Stan            |                      |                     |                               |                             | - 2   |
| Temp:             | De                    | ntain<br>s on   | aine<br>f He   | -                     | -     |      |      |      |       | -    | _    | -     | -    | -    | Metals: As Ag Ba Cd Cr Pb Hg S<br>Volatiles  | se              | -      | Ana            |                             | Standard        |                      |                     |                               | 4                           | hone<br>Fax:  |
| 5 2               | ivere                 | con   | men<br>rs In<br>adsp   | $\vdash$              | -     |      |      |      |       |      |      |       | -    | -    | Semivolatiles  | +               | +      | Analyze        |                             |                 |                      |                     | 1                             | Con                         | 0:<br>4 4   |
| Temp:             | b.                    | Labels on container(s)<br>Custody seals on container(s)<br>Custody seals on cooler(s) | Laboratory Comments:<br>Sample Containers Intact?<br>VOCs Free of Headspace? | ×                     | ×     | ×    | ×    | ×    | ×     | ×    | ×    | ×     | ×    | -    | BTEX 8021B/5030 or BTEX 826  | 50              | -      | For:           | r                           | _               |                      | Lea                 | RC                            | Ipre                        | 32-5  |
| -                 |                       | er(s)   | 2.0  | -                     |       |      |      |      |       |      | 1    |       |      |      | RCI  | - 1             | -1     |                |                             | 1               |                      | Cou                 | #                             | SSO                         | 63-   |
| 2                 |                       |   |  |                       |       |      |      |      |       |      |      |       |      |      | N.O.R.M.   | -               |        |                |                             | TRRP            |                      | Lea County, NM      | TRC #: 273818                 | S                           | Phone: 432-563-1800<br>Fax: 432-563-1713                |
|                   |                       | < < <   |  | ×                     | ×     | ×    | ×    | ×    | ×     | ×    | ×    | ×     | ×    | ×    | Chlorides E 300.1  | _               |        |                |                             |                 |                      | MN                  | 818                           | A14 Compressor Station Sump |   |
| IR ID             |                       | 144   | ~~   |                       |       | -    |      |      | _     | _    | _    | -     |      | -    |  | _               |        |                | D                           | NPDES           |                      |                     |                               | Su                          |   |
| IR ID:R-8         |                       |   |  |                       |       |      |      |      |       |      |      | 1.1.1 |      |      |  |                 |        |                |                             | 6               |                      |                     |                               | 1.33                        | _   |
| IR ID:R-8 ne Star |                       | zzz   | zz   |                       | -     |      |      |      | -     | -    |      | -     | -    | -    | RUSH TAT (Pre-Schedule) 24,  | 40.             | 79 5   | Ц              | Ċ                           | B               |                      |                     |                               | du                          |   |

| Relinquished by:  | namquistied by.          | Relinquished by: July Milling   | Bill to Rose Slade at Energy Transfer.                                       |   |         |              |      |            | 5-5 Loin | N5-51'  | 11 -25 | NS-4 11 | 10 4-5 | FIELD CODE  | ORDER # ULL                    | (lab use only) | Sampler Signature:                                       | Telephone No: 432.520 | City/State/Zip: Midlan | Company Address: 2057 C | Company Name TRC E            | Project Manager: Nikki Green | The Environmental Lab of Texas              |
|-------------------|--------------------------|---|--|---|---------|--------------|------|------------|----------|---------|--------|---------|--------|---|--------------------------------|----------------|--|-----------------------|------------------------|-------------------------|-------------------------------|------------------------------|---|
| Date              | Date                     | 3/24/17   |  |   |         |              |      |            |          |         |        |         |        | m   | 6                              |                | MIL JUL  | 0,7720                | Midland, Texas 79703   | 2057 Commerce Drive     | TRC Environmental Corporation | ireen                        |   |
| Time              | IIIIe                    | 146   |  |   |         |              |      |            |          |         |        |         | 1      | Beginning Depth                                       |                                |                |  |                       |                        |                         | ation                         |                              |   |
|                   | a                        | 2.  |  |   |         |              |      |            |          |         |        |         |        | Ending Depth  |                                |                |  |                       |                        |                         |                               |                              |   |
| Received by ELOT: | Received by:             | Received by:  | 2  |   |         |              |      |            | 3/22     | 1-      |        | 1       | 323    | Date Sampled  |                                |                |  |                       |                        |                         |                               |                              |   |
| OT:               |                          | AMO   |  |   |         |              |      |            | 1550     | 1320    | 1310   | 1300    | 1150   | Time Sampled  |                                |                | e-mail:  | Fax No:               |                        |                         |                               |                              |   |
|                   |                          | 0   |  |   |         |              |      |            |          |         |        |         | 14     | Field Filtered  |                                |                | T  | T.                    |                        |                         |                               |                              |   |
|                   |                          | 1   |  |   | -1<br>× | -            | ×    | - <u>`</u> | 1<br>×   | -1<br>× | 1<br>× | 1 ×     | 1<br>× | Total #. of Containers                                | h                              |                | ros  |                       |                        |                         |                               |                              | 0 1   |
|                   |                          |   |  | H | Ê       | Ê            | Ê    | Ê          | Ê        | ^       | ^      | ^       | ^      | HNO <sub>3</sub>                                      | Pres                           |                | rose.slade@energytransfer.com<br>ngreen@trcsolutions.com |                       |                        |                         |                               |                              | 12600 West I-20 East<br>Odessa, Texas 79765 |
|                   |                          |   |  | H |         | 1            |      |            |          |         |        |         |        | нсі   | servat                         |                | ade(   |                       |                        |                         |                               |                              | We, T                                       |
|                   |                          |   |  |   |         |              |      | 1          |          |         |        |         |        | H <sub>2</sub> SO <sub>4</sub>                        | ion &                          |                | @en  |                       |                        |                         |                               |                              | exa:  |
|                   |                          |   |  |   |         |              |      |            |          |         |        |         |        | NaOH  | Preservation & # of Containers |                | e@energytransfer.c                                       |                       |                        |                         |                               |                              | 20 Ea                                       |
| +                 | -                        |   |  |   | -       | +            | -    |            |          |         | _      |         |        | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>None | ontair                         |                | tion   |                       |                        |                         |                               |                              | nst<br>165                                  |
|                   | -                        | 60  |  |   | +       | +            | -    | -          |          |         |        |         | -      | Other ( Specify)                                      | ers                            |                | sfer   |                       |                        |                         |                               |                              |   |
| Date              | Date                     | Date  |  | H |         |              | 1    |            |          |         |        |         |        | DW=Drinking Water SL=Sludge                           | 7                              |                | n con  | 1                     | 1                      | 8                       | 1                             | 1                            |   |
| 4                 |                          | ~   |  |   | Sol     | Soil         | Soil | Soil       | Soil     | Soil    | Soil   | Soil    | Soil   | GW = Groundwater S=Soil/Solid                         | Matrix                         |                | 12   | Repo                  |                        |                         |                               | 70                           |   |
| Ħ                 |                          | 1-L   |  | - | ×       | ×            | ×    | ×          | ×        | ×       | ×      | ×       | ×      | NP=Non-Potable Specify Other<br>TPH: 418.1 (8015M) 80 | 15B/                           | dat            | 703  | Report Format:        |                        | Proj                    | P                             | Project Name:                |   |
| Time              | Ime                      | ime<br>Sci  |  |   | Ê       | f            | 1    | -          | <u>^</u> | ~       | -      |         | -      | TPH: TX 1005 TX 1006                                  | -74P                           | 14             |  | orma                  | σ                      | Project Loc:            | Project #:                    | t Na                         |   |
| -                 | Sa                       | 2005  | Vo   |   |         | $\mathbf{T}$ |      |            | -        |         |        |         |        | Cations (Ca, Mg, Na, K)                               |                                |                |  | rt.                   | PO #:                  | -OC:                    | ot #:                         | me:                          |   |
| 5                 | by                       | stod  | mple<br>OCs I  |   |         |              |      |            |          |         |        |         |        | Anions (CI, SO4, Alkalinity)                          | 1                              |                |  | Ł                     |                        |                         |                               | 1                            |   |
| 000               | Samp                     | on c<br>y sea   | Cor  |   |         |              |      |            |          | -       |        |         |        | SAR / ESP / CEC                                       |                                | TCLP:          |  | Star                  |                        |                         |                               | D                            | _ 7   |
| of content        | pler/C                   | als o   | of H   | ° | -       |              |      |            |          |         |        |         |        | Metals: As Ag Ba Cd Cr Pb Hg                          | Se                             | $\square$      | Ana  | Standard              |                        |                         |                               | 14                           | hone<br>Fax:                                |
|                   | by Sampler/Client Rep. ? | Labels on container(s)<br>Custody seals on container(s)<br>Custody seals on cooler(s) | Laboratory Comments:<br>Sample Containers Intact?<br>VOCs Free of Headspace? |   | -       | +            | -    |            |          | -       | -      |         |        | Volatiles<br>Semivolatiles                            |                                | +              | Analyze For:   |                       |                        |                         | _                             | Com                          | e:<br>4.4                                   |
| 2 6               | Rep.                     | s)<br>htain<br>pler(s   | nts:<br>ntact<br>pace  |   | ×       | ×            | ×    | ×          | ×        | ×       | ×      | ×       | ×      | < >   | 60                             | +              | For  |                       |                        | ea (                    | RC                            | pre                          | 32-5  |
| Temp:             | 2                        | er(s)<br>;)   | 5.0  | + | Î       | Ê            | Ê    |            |          |         |        |         |        | RCI   | -                              | -              |  |                       |                        | Cour                    | #: 2                          | SSOL                         | Phone: 432-563-1800<br>Fax: 432-563-1713    |
| 1                 |                          |   |  | H |         |              |      |            |          |         |        |         |        | N.O.R.M.  |                                |                |  | TRRP                  |                        | Lea County, NM          | TRC #: 273818                 | Sta                          | 800<br>713                                  |
| 2                 | 1                        |   |  |   | ×       | ×            | ×    | ×          | ×        | ×       | ×      | ×       | ×      | Chlorides E 300.1                                     |                                |                |  |                       |                        | M                       | 318                           | A14 Compressor Station Sump  |   |
|                   | ? <del>~</del> ~         | ~ ~ ~   | $\prec$  |   |         |              |      |            |          |         |        |         |        |   |                                |                |  |                       |                        |                         |                               | Su                           |   |
| IR ID:R-8         | NN                       |   |  |   | _       | -            |      |            |          |         |        |         |        |   | 5 T                            |                | -  | NPDES                 |                        | 1                       |                               | duu                          |   |
| E                 | n ZZ                     | ZZZ   | 22   |   | 11.     |              | 1    |            |          |         |        | 1.1     |        | RUSH TAT (Pre-Schedule) 24,                           | 48, 72                         | hrs            | 1  | E                     |                        |                         |                               | 1                            |   |



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



Client: TRC Solutions, Inc Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 03/24/2017 02:55:00 PM Temperature Measuring device used : R8 Work Order #: 549416 Comments Sample Receipt Checklist 2.2 #1 \*Temperature of cooler(s)? #2 \*Shipping container in good condition? Yes #3 \*Samples received on ice? Yes #4 \*Custody Seal present on shipping container/ cooler? N/A #5 \*Custody Seals intact on shipping container/ cooler? N/A N/A #6 Custody Seals intact on sample bottles? #7 \*Custody Seals Signed and dated? N/A #8 \*Chain of Custody present? Yes #9 Sample instructions complete on Chain of Custody? Yes #10 Any missing/extra samples? No #11 Chain of Custody signed when relinguished/ received? Yes #12 Chain of Custody agrees with sample label(s)? Yes #13 Container label(s) legible and intact? Yes #14 Sample matrix/ properties agree with Chain of Custody? Yes #15 Samples in proper container/ bottle? Yes #16 Samples properly preserved? Yes #17 Sample container(s) intact? Yes #18 Sufficient sample amount for indicated test(s)? Yes #19 All samples received within hold time? Yes #20 Subcontract of sample(s)? N/A #21 VOC samples have zero headspace? N/A #22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for N/A samples for the analysis of HEM or HEM-SGT which are verified by the analysts. #23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH? N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by: Jessica WAMER Jessica Kramer Checklist reviewed by: Kelsey Brooks

Date: 03/24/2017

Date: 03/27/2017

# Analytical Report 549418

for TRC Solutions, Inc

Project Manager: Nikki Green

A14 Compressor Station

#### 03-APR-17

Collected By: Client





#### 1211 W. Florida Ave, Midland TX 79701

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

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400) Xenco-San Antonio: Texas (T104704534) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



03-APR-17



Project Manager: **Nikki Green TRC Solutions, Inc** 2057 Commerce Midland, TX 79703

Reference: XENCO Report No(s): 549418 A14 Compressor Station Project Address: Lea County, NM

#### Nikki Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 549418. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 549418 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,

Huns hoah

Kelsey Brooks Project Manager

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Sample Id BG-1 1' Sample Cross Reference 549418



TRC Solutions, Inc, Midland, TX

A14 Compressor Station

| Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------|----------------|--------------|---------------|
| S      | 03-23-17 16:45 | - 1 ft       | 549418-001    |

Page 3 of 15



### CASE NARRATIVE

Client Name: TRC Solutions, Inc Project Name: A14 Compressor Station

Project ID: Work Order Number(s): 549418 
 Report Date:
 03-APR-17

 Date Received:
 03/24/2017

#### Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments: Batch: LBA-3013602 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Project Id:Contact:Nikki GreenProject Location:Lea County, NM

Certificate of Analysis Summary 549418

TRC Solutions, Inc, Midland, TX Project Name: A14 Compressor Station



Date Received in Lab:Fri Mar-24-17 02:55 pmReport Date:03-APR-17Project Manager:Kelsey Brooks

|                                    | Lab Id:    | 549418-001      |   |  |  |
|------------------------------------|------------|-----------------|---|--|--|
|                                    | Field Id:  | BG-1 1'         |   |  |  |
| Analysis Requested                 | Depth:     | 1 ft            |   |  |  |
|                                    | Matrix:    | SOIL            |   |  |  |
|                                    | Sampled:   | Mar-23-17 16:45 |   |  |  |
| BTEX by EPA 8021B                  | Extracted: | Mar-28-17 16:50 | 1 |  |  |
|                                    | Analyzed:  | Mar-29-17 01:58 |   |  |  |
|                                    | Units/RL:  | mg/kg RL        |   |  |  |
| Benzene                            |            | ND 0.00151      |   |  |  |
| Toluene                            |            | ND 0.00201      |   |  |  |
| Ethylbenzene                       |            | ND 0.00201      |   |  |  |
| m_p-Xylenes                        |            | ND 0.00201      |   |  |  |
| o-Xylene                           |            | ND 0.00301      |   |  |  |
| Total Xylenes                      |            | ND 0.00201      |   |  |  |
| Total BTEX                         |            | ND 0.00151      |   |  |  |
| Chloride by EPA 300                | Extracted: | Apr-01-17 14:14 |   |  |  |
| SUB: TX104704215                   | Analyzed:  | Apr-02-17 11:11 |   |  |  |
|                                    | Units/RL:  | mg/kg RL        |   |  |  |
| Chloride                           |            | ND 9.96         |   |  |  |
| TPH By SW8015 Mod                  | Extracted: | Mar-24-17 17:00 |   |  |  |
|                                    | Analyzed:  | Mar-26-17 02:20 |   |  |  |
|                                    | Units/RL:  | mg/kg RL        |   |  |  |
| C6-C10 Gasoline Range Hydrocarbons |            | ND 15.0         |   |  |  |
| C10-C28 Diesel Range Organics      |            | ND 15.0         |   |  |  |
| C28-C35 Oil Range Hydrocarbons     |            | ND 15.0         |   |  |  |
| Total TPH                          |            | ND 15.0         |   |  |  |

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

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Kelsey Brooks Project Manager



# **Flagging Criteria**



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

BRL Below Reporting Limit.

RL Reporting Limit

| MDL Method Detection Limit S | SDL Sample Detection Limit | LOD Limit of Detection |
|------------------------------|----------------------------|------------------------|
|------------------------------|----------------------------|------------------------|

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

**DL** Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- \* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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|   |                |                |



# Project Name: A14 Compressor Station

| Lab Batch #                | <b>ders :</b> 549418<br>#: 3013501 | Sample: 549418-001 / SMP             | Batc                   | Project ID            |                       |                         |       |
|----------------------------|------------------------------------|--------------------------------------|------------------------|-----------------------|-----------------------|-------------------------|-------|
| Units:                     | mg/kg                              | Date Analyzed: 03/26/17 02:20        | SU                     | JRROGATE R            | ECOVERY S             | TUDY                    |       |
|                            | TPH F                              | By SW8015 Mod                        | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flag  |
|                            |                                    | Analytes                             |                        |                       | [D]                   |                         |       |
| 1-Chloroocta               | ane                                |                                      | 103                    | 99.8                  | 103                   | 70-135                  |       |
| o-Terphenyl                |                                    |                                      | 52.6                   | 49.9                  | 105                   | 70-135                  |       |
| Lab Batch #                | <b>#:</b> 3013602                  | Sample: 549418-001 / SMP             | Batc                   | h: 1 Matrix           | : Soil                |                         |       |
| Units:                     | mg/kg                              | Date Analyzed: 03/29/17 01:58        | SU                     | JRROGATE R            | ECOVERY S             | TUDY                    |       |
|                            |                                    | by EPA 8021B<br>Analytes             | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flage |
| 1,4-Difluorol              |                                    | Anaryus                              | 0.0358                 | 0.0300                | 119                   | 80-120                  |       |
| 4-Bromofluo                |                                    |                                      | 0.0356                 | 0.0300                | 119                   | 80-120                  |       |
| Lab Batch #                | <b>#:</b> 3013501                  | Sample: 722214-1-BLK / BL            |                        |                       |                       | 00 120                  |       |
| Units:                     | mg/kg                              | <b>Date Analyzed:</b> 03/26/17 01:18 |                        | JRROGATE R            | ECOVERY S             | TUDY                    |       |
|                            | TPH F                              | By SW8015 Mod                        | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flag  |
|                            |                                    | Analytes                             |                        |                       | [D]                   |                         |       |
| 1-Chloroocta               | ine                                |                                      | 102                    | 100                   | 102                   | 70-135                  |       |
| o-Terphenyl                |                                    |                                      | 52.7                   | 50.0                  | 105                   | 70-135                  |       |
| Lab Batch #                | <b>#:</b> 3013602                  | Sample: 722269-1-BLK / BL            | K Bate                 | h: 1 Matrix           | : Solid               |                         |       |
| Units:                     | mg/kg                              | Date Analyzed: 03/29/17 01:42        | SU                     | JRROGATE R            | ECOVERY S             | TUDY                    |       |
|                            |                                    | by EPA 8021B                         | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flag  |
| 1 4 Difference             |                                    | Analytes                             | 0.0000                 | 0.0200                |                       | 00.120                  |       |
| 1,4-Difluorol              |                                    |                                      | 0.0280                 | 0.0300                | 93                    | 80-120                  |       |
| 4-Bromofluo<br>Lab Batch # |                                    | Sample: 722214-1-BKS / BK            | 0.0293                 | 0.0300                | 98                    | 80-120                  |       |
|                            |                                    | -                                    |                        |                       |                       |                         |       |
| Units:                     | mg/kg                              | <b>Date Analyzed:</b> 03/26/17 01:40 | SU                     | JRROGATE R            | ECOVERY S             | STUDY                   |       |
|                            | TPH F                              | By SW8015 Mod                        | Amount<br>Found<br>[A] | True<br>Amount<br>[B] | Recovery<br>%R        | Control<br>Limits<br>%R | Flag  |
|                            |                                    | Analytes                             |                        |                       | [D]                   |                         |       |
| 1-Chloroocta               | ane                                |                                      | 92.4                   | 100                   | 92                    | 70-135                  |       |
| o-Terphenyl                |                                    |                                      | 46.3                   | 50.0                  | 93                    | 70-135                  |       |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



# Project Name: A14 Compressor Station

|             | <b>:ders :</b> 549418<br>#: 3013602 | 8,<br>Sample: 722269-1-BKS / BF | KS Batch               | Project ID<br>: 1 Matrix | :<br>:: Solid         |                         |       |
|-------------|-------------------------------------|---------------------------------|------------------------|--------------------------|-----------------------|-------------------------|-------|
| Units:      | mg/kg                               | Date Analyzed: 03/29/17 00:20   | SUI                    | RROGATE R                | ECOVERY S             | STUDY                   |       |
|             |                                     | L by EPA 8021B                  | Amount<br>Found<br>[A] | True<br>Amount<br>[B]    | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|             |                                     | Analytes                        |                        |                          | [D]                   |                         |       |
| 1,4-Difluor | obenzene                            |                                 | 0.0341                 | 0.0300                   | 114                   | 80-120                  |       |
| 4-Bromoflu  | orobenzene                          |                                 | 0.0273                 | 0.0300                   | 91                    | 80-120                  |       |
| Lab Batch   | #: 3013501                          | Sample: 722214-1-BSD / BS       | SD Batch               | : 1 Matrix               | : Solid               |                         |       |
| Units:      | mg/kg                               | Date Analyzed: 03/26/17 02:00   | SUI                    | RROGATE R                | ECOVERY S             | STUDY                   |       |
|             | TPH I                               | By SW8015 Mod                   | Amount<br>Found<br>[A] | True<br>Amount<br>[B]    | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
|             |                                     | Analytes                        |                        |                          |                       |                         |       |
| 1-Chlorooc  |                                     |                                 | 101                    | 100                      | 101                   | 70-135                  |       |
| o-Terpheny  |                                     |                                 | 50.8                   | 50.0                     | 102                   | 70-135                  |       |
| Lab Batch   | #: 3013602                          | Sample: 722269-1-BSD / BS       | SD Batch               | : 1 Matrix               | <b>c:</b> Solid       |                         |       |
| Units:      | mg/kg                               | Date Analyzed: 03/29/17 00:36   | SUI                    | RROGATE R                | ECOVERY S             | STUDY                   |       |
|             | BTEX                                | L by EPA 8021B                  | Amount<br>Found<br>[A] | True<br>Amount<br>[B]    | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|             |                                     | Analytes                        |                        |                          | [D]                   |                         |       |
| 1,4-Difluor | obenzene                            |                                 | 0.0347                 | 0.0300                   | 116                   | 80-120                  |       |
| 4-Bromoflu  | orobenzene                          |                                 | 0.0265                 | 0.0300                   | 88                    | 80-120                  |       |
| Lab Batch   | #: 3013501                          | Sample: 549418-001 S / MS       | Batch                  | : 1 Matrix               | c: Soil               |                         |       |
| Units:      | mg/kg                               | Date Analyzed: 03/26/17 02:41   | SUI                    | RROGATE R                | ECOVERY S             | STUDY                   |       |
|             |                                     | By SW8015 Mod                   | Amount<br>Found<br>[A] | True<br>Amount<br>[B]    | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
|             |                                     | Analytes                        |                        |                          |                       |                         |       |
| 1-Chlorooc  |                                     |                                 | 96.5                   | 99.9                     | 97                    | 70-135                  |       |
| o-Terpheny  |                                     |                                 | 48.2                   | 50.0                     | 96                    | 70-135                  |       |
|             | #: 3013602                          | Sample: 549418-001 S / MS       |                        |                          |                       |                         |       |
| Units:      | mg/kg                               | Date Analyzed: 03/29/17 00:53   | SUI                    | RROGATE R                | ECOVERY S             | STUDY                   |       |
|             |                                     | by EPA 8021B                    | Amount<br>Found<br>[A] | True<br>Amount<br>[B]    | Recovery<br>%R        | Control<br>Limits<br>%R | Flags |
|             |                                     | Analytes                        |                        |                          | [D]                   |                         |       |
| 1,4-Difluor |                                     |                                 | 0.0356                 | 0.0300                   | 119                   | 80-120                  |       |
| 4-Bromoflu  | orobenzene                          |                                 | 0.0330                 | 0.0300                   | 110                   | 80-120                  |       |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



# Project Name: A14 Compressor Station

| Work Orde<br>Lab Batch #: |         | 8, Sample: 549418-001 SD / N  | MSD Batc               | Project ID:<br>h: 1 Matrix: |                       |                         |       |
|---------------------------|---------|-------------------------------|------------------------|-----------------------------|-----------------------|-------------------------|-------|
| Units:                    | mg/kg   | Date Analyzed: 03/26/17 03:03 | SU                     | RROGATE R                   | ECOVERY S             | STUDY                   |       |
|                           | TPH     | By SW8015 Mod                 | Amount<br>Found<br>[A] | True<br>Amount<br>[B]       | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1-Chlorooctane            | •       | Analytes                      | 89.0                   | 99.9                        | 89                    | 70-135                  |       |
| o-Terphenyl               |         |                               | 43.7                   | 50.0                        | 87                    | 70-135                  |       |
| Lab Batch #:              | 3013602 | Sample: 549418-001 SD / N     | MSD Batc               | h: 1 Matrix:                | Soil                  | 11                      |       |
| Units:                    | mg/kg   | Date Analyzed: 03/29/17 01:09 | SU                     | RROGATE R                   | ECOVERY S             | STUDY                   |       |
|                           | BTE     | X by EPA 8021B<br>Analytes    | Amount<br>Found<br>[A] | True<br>Amount<br>[B]       | Recovery<br>%R<br>[D] | Control<br>Limits<br>%R | Flags |
| 1,4-Difluorober           | nzene   | Analytes                      | 0.0335                 | 0.0300                      | 112                   | 80-120                  |       |
| 4-Bromofluorol            |         |                               | 0.0317                 | 0.0300                      | 106                   | 80-120                  |       |

\* Surrogate outside of Laboratory QC limits

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

\*\*\* Poor recoveries due to dilution

Surrogate Recovery [D] = 100 \* A / B



#### **Project Name: A14 Compressor Station**



| Work Orde      | er #: 549418                          |                               |                       |                          |                      |  |   | Pro                           | ject ID: |                         |                           |      |  |
|----------------|---------------------------------------|-------------------------------|-----------------------|--------------------------|----------------------|--|---|-------------------------------|----------|-------------------------|---------------------------|------|--|
| Analyst:       | ALJ                                   | D                             | ate Prepar            | red: 03/28/20            | 17                   | Date Analyzed: 03/29/2017<br>Matrix: Solid |   |                               |          |                         |                           |      |  |
| Lab Batch II   | <b>D:</b> 3013602 <b>Sample:</b> 7222 | 69-1-BKS                      | Batc                  | <b>h #:</b> 1            |                      |  |   |                               |          |                         |                           |      |  |
| Units:         | mg/kg                                 |                               | BLAN                  | K /BLANK                 | SPIKE / 1            | BLANK S                                    | SPIKE DUP                                 | LICATE                        | RECOV    | ERY STUI                | DY                        |      |  |
|                | BTEX by EPA 8021B                     | Blank<br>Sample Result<br>[A] | Spike<br>Added        | Blank<br>Spike<br>Result | Blank<br>Spike<br>%R | Spike<br>Added                             | Blank<br>Spike<br>Duplicate               | Blk. Spk<br>Dup.<br>%R        | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |
| Ana            | lytes                                 |                               | [B]                   | [C]                      | [D]                  | [E]  | Result [F]                                | [G]                           |          |                         |                           |      |  |
| Benzene        | ;                                     | <0.00149                      | 0.0990                | 0.0886                   | 89                   | 0.100                                      | 0.0825                                    | 83                            | 7        | 70-130                  | 35                        |      |  |
| Toluene        |                                       | <0.00198                      | 0.0990                | 0.0935                   | 94                   | 0.100                                      | 0.0856                                    | 86                            | 9        | 70-130                  | 35                        |      |  |
| Ethylber       | nzene                                 | < 0.00198                     | 0.0990                | 0.0942                   | 95                   | 0.100                                      | 0.0873                                    | 87                            | 8        | 71-129                  | 35                        |      |  |
| m_p-Xy         | lenes                                 | < 0.00198                     | 0.198                 | 0.183                    | 92                   | 0.201                                      | 0.171                                     | 85                            | 7        | 70-135                  | 35                        |      |  |
| o-Xylene       | e                                     | < 0.00297                     | 0.0990                | 0.0965                   | 97                   | 0.100                                      | 0.0905                                    | 91                            | 6        | 71-133                  | 35                        |      |  |
| Analyst:       | ALA                                   | D                             | ate Prepar            | ed: 04/01/20             | 17                   | 1  |   | Date A                        | nalyzed: | 04/02/2017              |                           | -    |  |
| Lab Batch II   | <b>D:</b> 3013954 <b>Sample:</b> 7224 | 82-1-BKS                      | Bate                  | <b>h #:</b> 1            |                      |  |   |                               | Matrix:  | Solid                   |                           |      |  |
| U <b>nits:</b> | mg/kg                                 |                               | BLAN                  | K /BLANK                 | SPIKE / I            | BLANK S                                    | SPIKE DUP                                 | LICATE                        | RECOV    | ERY STUI                | DY                        |      |  |
|                | Chloride by EPA 300                   | Blank<br>Sample Result<br>[A] | Spike<br>Added<br>[B] | Blank<br>Spike<br>Result | Blank<br>Spike<br>%R | Spike<br>Added                             | Blank<br>Spike<br>Duplicate<br>Besult [E] | Blk. Spk<br>Dup.<br>%R<br>[G] | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |
| Ana            | •                                     |                               | נםן                   | [C]                      | [D]                  | [E]  | Result [F]                                | [6]                           |          |                         |                           |      |  |
| Chloride       | •                                     | <1.00                         | 10.0                  | 9.91                     | 99                   | 10.0                                       | 9.77                                      | 98                            | 1        | 80-120                  | 20                        |      |  |



#### **Project Name:** A14 Compressor Station



| Work Order #  | <b>#:</b> 549418           |                               |   |                          |                      |                           |                             | Pro                    | ject ID:  |                         |                           |      |  |
|---------------|----------------------------|-------------------------------|---|--------------------------|----------------------|---------------------------|-----------------------------|------------------------|-----------|-------------------------|---------------------------|------|--|
| Analyst:      | ARM                        | Da                            | ate Prepar  | red: 03/24/201           | 17                   | Date Analyzed: 03/26/2017 |                             |                        |           |                         |                           |      |  |
| Lab Batch ID: | 3013501 Sample: 722214-1-E | BKS                           | Batc  | <b>h #:</b> 1            |                      |                           |                             |                        | Matrix: S | Solid                   |                           |      |  |
| Units:        | mg/kg                      |                               | BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY |                          |                      |                           |                             |                        |           |                         |                           |      |  |
| r.            | TPH By SW8015 Mod          | Blank<br>Sample Result<br>[A] | Spike<br>Added  | Blank<br>Spike<br>Result | Blank<br>Spike<br>%R | Spike<br>Added            | Blank<br>Spike<br>Duplicate | Blk. Spk<br>Dup.<br>%R | RPD<br>%  | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |
| Analyt        | es                         |                               | [ <b>B</b> ]  | [C]                      | [D]                  | [E]                       | Result [F]                  | [G]                    |           |                         |                           |      |  |
| C6-C10 Gas    | soline Range Hydrocarbons  | <15.0                         | 1000  | 908                      | 91                   | 1000                      | 1040                        | 104                    | 14        | 70-135                  | 35                        |      |  |
| C10-C28 Di    | iesel Range Organics       | <15.0                         | 1000  | 885                      | 89                   | 1000                      | 1000                        | 100                    | 12        | 70-135                  | 35                        |      |  |



#### **Project Name: A14 Compressor Station**



| <b>Work Order # :</b> 549418     |  |                |                                |                        |              | Project II                               | D:                   |          |                         |                           |      |  |
|----------------------------------|--|----------------|--------------------------------|------------------------|--------------|--|----------------------|----------|-------------------------|---------------------------|------|--|
| Lab Batch ID: 3013602            | C- Sample ID:  | 549418         | -001 S                         | Ba                     | tch #:       | 1 Matri                                  | x: Soil              |          |                         |                           |      |  |
| <b>Date Analyzed:</b> 03/29/2017 | Date Prepared:                                       | 03/28/2        | 017                            | Ar                     | nalyst: A    | ALJ                                      |                      |          |                         |                           |      |  |
| Reporting Units: mg/kg           | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY |                |                                |                        |              |  |                      |          |                         |                           |      |  |
| BTEX by EPA 8021B                | Parent<br>Sample<br>Result                           | Spike<br>Added | Spiked Sample<br>Result<br>[C] | Spiked<br>Sample<br>%R | Added        | Duplicate<br>Spiked Sample<br>Result [F] | %R                   | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |
| Analytes                         | [A]  | [B]            |                                | [D]                    | [E]          |  | [G]                  |          |                         |                           |      |  |
| Benzene                          | <0.00151   | 0.100          | 0.0716                         | 72                     | 0.101        | 0.0798                                   | 79                   | 11       | 70-130                  | 35                        |      |  |
| Toluene                          | < 0.00201  | 0.100          | 0.0726                         | 73                     | 0.101        | 0.0815                                   | 81                   | 12       | 70-130                  | 35                        |      |  |
| Ethylbenzene                     | <0.00201   | 0.100          | 0.0728                         | 73                     | 0.101        | 0.0819                                   | 81                   | 12       | 71-129                  | 35                        |      |  |
| m_p-Xylenes                      | < 0.00201  | 0.201          | 0.143                          | 71                     | 0.202        | 0.155                                    | 77                   | 8        | 70-135                  | 35                        |      |  |
| o-Xylene                         | < 0.00301  | 0.100          | 0.0713                         | 71                     | 0.101        | 0.0841                                   | 83                   | 16       | 71-133                  | 35                        |      |  |
| Lab Batch ID: 3013954 (          | C- Sample ID:  | 549418         | -001 S                         | Ba                     | tch #:       | 1 Matri                                  | x: Soil              |          |                         |                           |      |  |
| <b>Date Analyzed:</b> 04/02/2017 | Date Prepared:                                       | 04/01/2        | 017                            | Ar                     | nalyst: A    | ALA                                      |                      |          |                         |                           |      |  |
| Reporting Units: mg/kg           |  | N              | IATRIX SPIK                    | E / MAT                | RIX SPI      | IKE DUPLICA                              | TE REC               | OVERY    | STUDY                   |                           |      |  |
| Chloride by EPA 300              | Parent<br>Sample<br>Result                           | Spike          | Spiked Sample<br>Result        | Spiked<br>Sample       |              | Duplicate<br>Spiked Sample               | Spiked<br>Dup.       | RPD      | Control<br>Limits       | Control<br>Limits         | Flag |  |
| Analytes                         | [A]  | Added<br>[B]   | [C]                            | %R<br>[D]              | Added<br>[E] | Result [F]                               | %R<br>[G]            | %        | %R                      | %RPD                      |      |  |
| Chloride                         | <9.96  | 99.6           | 104                            | 104                    | 99.6         | 103                                      | 103                  | 1        | 80-120                  | 20                        |      |  |
| Lab Batch ID: 3013954 (          | QC- Sample ID:                                       | 549469         | -007 S                         | Ba                     | tch #:       | 1 Matri                                  | x: Soil              |          |                         |                           |      |  |
| <b>Date Analyzed:</b> 04/02/2017 | Date Prepared:                                       | 04/01/2        | 017                            | Ar                     | nalyst: A    | ALA                                      |                      |          |                         |                           |      |  |
| Reporting Units: mg/kg           |  | Ν              | IATRIX SPIK                    | E / MAT                | RIX SPI      | IKE DUPLICA                              | TE REC               | OVERY    | STUDY                   |                           |      |  |
| Chloride by EPA 300              | Parent<br>Sample<br>Result                           | Spike          | Spiked Sample<br>Result        | Spiked<br>Sample       |              | Duplicate<br>Spiked Sample               | Spiked<br>Dup.<br>%R | RPD<br>% | Control<br>Limits<br>%R | Control<br>Limits<br>%RPD | Flag |  |
| Analytes                         | [A]  | Added<br>[B]   | [C]                            | %R<br>[D]              | Added<br>[E] | Result [F]                               | %R<br>[G]            | 70       | 70 K                    | 70KPD                     |      |  |
|                                  | 1  |                |                                |                        |              |  |                      |          |                         |                           |      |  |

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



#### **Project Name: A14 Compressor Station**



| Work Order # :          | 549418                              |  |              |                         |           |              | Project II                 | ):             |     |                   |                   |      |
|-------------------------|-------------------------------------|--|--------------|-------------------------|-----------|--------------|----------------------------|----------------|-----|-------------------|-------------------|------|
| Lab Batch ID:           | 3013501 Q                           | C- Sample ID:  | 549418       | -001 S                  | Ba        | tch #:       | 1 Matri                    | x: Soil        |     |                   |                   |      |
| Date Analyzed:          | ate Analyzed: 03/26/2017 Date Prepa |  |              |                         | An        | alyst: A     | ARM                        |                |     |                   |                   |      |
| <b>Reporting Units:</b> | mg/kg                               | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY |              |                         |           |              |                            |                |     |                   |                   |      |
| Г                       | TPH By SW8015 Mod                   |  |              | Spiked Sample<br>Result | Sample    | Spike        | Duplicate<br>Spiked Sample | Spiked<br>Dup. | RPD | Control<br>Limits | Control<br>Limits | Flag |
|                         | Analytes                            | Result<br>[A]  | Added<br>[B] | [C]                     | %R<br>[D] | Added<br>[E] | Result [F]                 | %R<br>[G]      | %   | %R                | %RPD              |      |
| C6-C10 Gasoline         | e Range Hydrocarbons                | <15.0  | 999          | 972                     | 97        | 999          | 879                        | 88             | 10  | 70-135            | 35                |      |
| C10-C28 Diesel          | Range Organics                      | <15.0  | 999          | 951                     | 95        | 999          | 872                        | 87             | 9   | 70-135            | 35                |      |

Matrix Spike Percent Recovery [D] = 100\*(C-A)/BRelative Percent Difference RPD = 200\*|(C-F)/(C+F)| Matrix Spike Duplicate Percent Recovery [G] = 100\*(F-A)/E

| elinquis           | elinquis   | Bill to Rose<br>Relinquished   | Special               |   |    |   |   |     |        |                     | LAB # (lab use only)  | ORDER #:              | (lab use only) |                         |                                     |                       |                     |                     |                               |                        | The Env                                     |
|--------------------|--|--|-----------------------|---|----|---|---|-----|--------|---------------------|---|-----------------------|----------------|-------------------------|-------------------------------------|-----------------------|---------------------|---------------------|-------------------------------|------------------------|---|
| Relinquished by:   | Relinquished by:   | Bill to Rose Slade at Energy Transfer<br>Relinquished by:                      | Special Instructions: |   |    |   |   |     |        | Back                | FIE   | R#: 0 - / 0           | only)<br>SUQ   |                         | Telephone No:<br>Sampler Signature: |                       | Citu/State/Zin:     | Company Address:    | Company Name                  | Project Manager:       | The Environmental Lab of Texas              |
| Date               | M 3/24<br>Date   | ransfer.<br>Date   |                       |   |    |   |   |     |        | Background -1 BG -1 | FIELD CODE  | C                     | Þ              |                         | 432.520.7720                        | Minialin, Texas rerus | Midland Taxas 70703 | 2057 Commerce Drive | TRC Environmental Corporation | Nikki Green            | 35  |
| t                  | 14   |  | F                     |   |    |   |   |     |        |                     | Beginning Depth   | 1                     |                |                         | 2                                   |                       |                     | Ϊ.                  | oration                       |                        |   |
| Time               | Time   | Time   | F                     | 1 |    | 1 |   |     |        |                     | Ending Depth  |                       |                |                         | 5                                   |                       |                     |                     |                               |                        |   |
| Received by FI OT- | Received by:   | Received by:   |                       |   |    |   |   |     |        | 32317               | Date Sampled  |                       |                |                         |                                     |                       |                     |                     |                               |                        |   |
| OT-                | ANNA   |  |                       |   |    |   |   |     |        | lloys               | Time Sampled  |                       |                |                         | e-mail:                             | 1.0.1.0               |                     |                     |                               |                        |   |
|                    | T  | 0  | -                     | - |    | - | - |     |        | -                   | Field Filtered<br>Total #. of Containers                      | -                     |                | 1                       | I.                                  |                       |                     |                     |                               |                        |   |
|                    | 1  |  | -                     | + | ++ | + | - | +   |        | ×                   | lce   | +                     | 1              | ngreen@trcsolutions.com | rose                                |                       |                     |                     |                               |                        | 0 12  |
|                    |  |  |                       | - |    |   |   |     |        | 111                 | HNO <sub>3</sub>  | Pres                  |                | ngre                    | S                                   |                       |                     |                     |                               |                        | 12600 West I-20 East<br>Odessa, Texas 79765 |
|                    |  |  |                       | + |    |   |   |     |        |                     | HCI   | Preservat             |                | en(                     | dec                                 |                       |                     |                     |                               |                        | a, T  |
|                    |  |  |                       |   |    |   |   |     |        |                     | H <sub>2</sub> SO <sub>4</sub>                                | ion &                 |                | atro                    | Øer                                 |                       |                     |                     |                               |                        | exa   |
|                    |  |  |                       |   |    |   |   |     |        | 1.1                 | NaOH  | # of                  |                | CSO                     | herc                                |                       |                     |                     |                               |                        | 20 E<br>s 79                                |
|                    |  |  |                       |   |    |   |   | 1   |        |                     | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>                 | ion & # of Containers |                | utio                    | lytra                               |                       |                     |                     |                               |                        | ast<br>765                                  |
| 1                  | 0  |  |                       |   |    |   |   |     |        | 111                 | None  | ainers                |                | ns.c                    | Insf                                |                       |                     |                     |                               |                        |   |
| Date               | Date   | Date   |                       |   |    |   | - |     |        |                     | Other ( Specify)  |                       |                | iom                     | er.c                                |                       |                     |                     | 1                             | 1                      |   |
| ē                  | te   | fe   |                       |   |    |   |   |     |        | S                   | DW=Drinking Water SL=Sludge                                   | Ma                    |                |                         | on R                                |                       |                     |                     |                               |                        |   |
| +                  | -  | -  |                       |   |    |   |   |     |        | Soil                | GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other | Matrix                |                | ł                       | apoi                                |                       |                     | 12                  |                               | Pr                     |   |
|                    | =F   | Th   |                       | - |    | - |   | -   |        | ×                   | TPH: 418.1 8015M 80   | 15B                   | 1              |                         | n No                                |                       |                     | Project Loc:        | P                             | Project Name:          |   |
| Time               | Fime   | Time   |                       | - |    |   |   |     |        |                     | TPH: TX 1005 TX 1006  | tes                   | are            | 14                      | Sma                                 |                       | D                   | ect L               | Project #:                    | tNa                    |   |
| -                  | SSCC   | La So  | La                    |   |    |   |   |     |        |                     | Cations (Ca, Mg, Na, K)                                       |                       |                |                         | t,                                  | 0.7                   | )<br>ŧ              | .oc:                | :t #:                         | me:                    |   |
| by                 | unpl   | DCs  | bor                   |   |    |   |   |     |        |                     | Anions (CI, SO4, Alkalinity)                                  |                       | 10             |                         | ×                                   | 1                     |                     | 1                   |                               |                        |   |
| 000                | ty se<br>ty se<br>Sam  | e Co<br>Free   | aton                  |   |    |   |   |     |        |                     | SAR / ESP / CEC   |                       | TOTAL:         |                         | Sta                                 | 9.1                   |                     |                     |                               |                        | 70  |
| 1                  | als als ind [  | of H<br>conta  | 0                     |   |    |   |   |     |        |                     | Metals: As Ag Ba Cd Cr Pb Hg                                  | Se                    |                | An                      | Ly Standard                         |                       |                     |                     |                               |                        | hone<br>Fax:                                |
| Temp:              | on c<br>Deliv<br>Clier   | Heac   | mm                    |   |    |   |   |     |        |                     | Volatiles   |                       |                | alyz                    | d                                   |                       |                     |                     |                               | 14                     |   |
| np:                | Custody seals on container(s)<br>Custody seals on cooler(s)<br>Sample Hand Delivered<br>by Sampler/Client Rep. ? | Sample Containers Intact?<br>VOCs Free of Headspace?<br>Labels on container(s) | Laboratory Comments:  |   |    |   |   |     | 1.1.01 | 101                 | Semivolatiles   | 1                     |                | Analyze For:            |                                     |                       |                     | Lea                 |                               | Con                    | 432-  |
|                    | r(s)   | ce?  | "_                    |   |    |   |   |     |        | ×                   | BTEX 80219/5030 or BTEX 82                                    | 260                   |                | 2                       |                                     |                       |                     | Co                  |                               | npre                   | 563   |
| 7                  | (s)  |  |                       |   |    |   |   |     |        | -                   | RCI   | _                     |                |                         | TRRP                                |                       |                     | unty                |                               | SSC                    | Phone: 432-563-1800<br>Fax: 432-563-1713    |
| -                  |  |  |                       |   |    | - |   |     |        |                     | N.O.R.M.  | _                     | -              |                         | 0                                   |                       |                     | Lea County, NM      |                               | A14 Compressor Station | 30  |
| F                  |  |  |                       |   |    |   |   |     |        | ×                   | Chlorides E 300.1   | _                     | -              |                         |                                     |                       |                     | 7                   |                               | tati                   |   |
| R ID:              | ~~~~   | ***  |                       | - |    |   |   | -   |        |                     |   |                       |                |                         |                                     |                       |                     |                     |                               | on                     | -   |
| IR ID:R-8 oldi     |  |  |                       | - |    | 1 | - | -   |        | -                   | DUCUTAT   |                       |                | Ч                       | NPDES                               |                       |                     |                     |                               |                        |   |
| 19B                | ZZZZ   | ZZZ  |                       |   |    |   |   | 1.1 |        | 1.1                 | RUSH TAT (Pre-Schedule) 24                                    | 48,                   | 72 hrs         |                         | IT CO                               |                       |                     |                     |                               |                        |   |

Page 14 of 15



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



Client: TRC Solutions, Inc Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 03/24/2017 02:55:00 PM Temperature Measuring device used : R8 Work Order #: 549418 Comments Sample Receipt Checklist 2.2 #1 \*Temperature of cooler(s)? #2 \*Shipping container in good condition? Yes #3 \*Samples received on ice? Yes #4 \*Custody Seal present on shipping container/ cooler? N/A #5 \*Custody Seals intact on shipping container/ cooler? N/A N/A #6 Custody Seals intact on sample bottles? #7 \*Custody Seals Signed and dated? N/A #8 \*Chain of Custody present? Yes #9 Sample instructions complete on Chain of Custody? Yes #10 Any missing/extra samples? No #11 Chain of Custody signed when relinguished/ received? Yes #12 Chain of Custody agrees with sample label(s)? Yes #13 Container label(s) legible and intact? Yes #14 Sample matrix/ properties agree with Chain of Custody? Yes #15 Samples in proper container/ bottle? Yes #16 Samples properly preserved? Yes #17 Sample container(s) intact? Yes #18 Sufficient sample amount for indicated test(s)? Yes #19 All samples received within hold time? Yes #20 Subcontract of sample(s)? N/A #21 VOC samples have zero headspace? N/A #22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for N/A samples for the analysis of HEM or HEM-SGT which are verified by the analysts. #23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH? N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by: Jessica WAMER Jessica Kramer Checklist reviewed by: Kelsey Brooks

Date: 03/24/2017

Date: 03/27/2017



Project Id:TRC#273818Contact:Nikki GreenProject Location:Lea County, NM

# Certificate of Analysis Summary 553892

TRC Solutions, Inc, Midland, TX

Project Name: A14 Compressor Station Sump



Date Received in Lab:Wed May-24-17 04:10 pmReport Date:30-MAY-17Project Manager:Liz Givens

|                                    | Lab Id:    | 553892-001       |  |  |  |
|------------------------------------|------------|------------------|--|--|--|
| Analysis Pogyostod                 | Field Id:  | Hydrovac Solids  |  |  |  |
| Analysis Requested                 | Depth:     |                  |  |  |  |
|                                    | Matrix:    | SOIL             |  |  |  |
|                                    | Sampled:   | May-23-17 11:30  |  |  |  |
| BTEX by EPA 8021B                  | Extracted: | May-25-17 08:00  |  |  |  |
|                                    | Analyzed:  | May-25-17 10:02  |  |  |  |
|                                    | Units/RL:  | mg/kg RL         |  |  |  |
| Benzene                            |            | <0.00201 0.00201 |  |  |  |
| Toluene                            |            | <0.00201 0.00201 |  |  |  |
| Ethylbenzene                       |            | <0.00201 0.00201 |  |  |  |
| m,p-Xylenes                        |            | <0.00402 0.00402 |  |  |  |
| o-Xylene                           |            | <0.00201 0.00201 |  |  |  |
| Total Xylenes                      |            | <0.00201 0.00201 |  |  |  |
| Total BTEX                         |            | <0.00201 0.00201 |  |  |  |
| Chloride by EPA 300                | Extracted: | May-26-17 08:00  |  |  |  |
|                                    | Analyzed:  | May-26-17 09:24  |  |  |  |
|                                    | Units/RL:  | mg/kg RL         |  |  |  |
| Chloride                           |            | 52.5 4.93        |  |  |  |
| TPH by SW8015 Mod                  | Extracted: | May-26-17 17:00  |  |  |  |
|                                    | Analyzed:  | May-27-17 13:45  |  |  |  |
|                                    | Units/RL:  | mg/kg RL         |  |  |  |
| C6-C10 Gasoline Range Hydrocarbons | ·          | <15.0 15.0       |  |  |  |
| C10-C28 Diesel Range Organics      |            | 187 15.0         |  |  |  |
| C28-C35 Oil Range Hydrocarbons     |            | 265 15.0         |  |  |  |
| Total TPH                          |            | 452 15.0         |  |  |  |

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

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

Version: 1.%

Brand Retinsen

Brandi Ritcherson Project Manager

# Analytical Report 553892

for TRC Solutions, Inc

Project Manager: Nikki Green

A14 Compressor Station Sump

TRC#273818

**30-MAY-17** 

Collected By: Client





#### 1211 W. Florida Ave, Midland TX 79701

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

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400) Xenco-San Antonio: Texas (T104704534) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



30-MAY-17



Project Manager: **Nikki Green TRC Solutions, Inc** 2057 Commerce Midland, TX 79703

Reference: XENCO Report No(s): **553892** A14 Compressor Station Sump Project Address: Lea County, NM

#### Nikki Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 553892. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 553892 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,

Mand

Brandi Ritcherson Project Manager

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

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



Sample Cross Reference 553892



TRC Solutions, Inc, Midland, TX

A14 Compressor Station Sump

| Sample Id       | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------------|--------|----------------|--------------|---------------|
| Hydrovac Solids | S      | 05-23-17 11:30 |              | 553892-001    |



### CASE NARRATIVE

Client Name: TRC Solutions, Inc Project Name: A14 Compressor Station Sump

Project ID:TRC#273818Work Order Number(s):553892

Report Date:30-MAY-17Date Received:05/24/2017

#### Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments: Batch: LBA-3018244 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.





#### TRC Solutions, Inc, Midland, TX

A14 Compressor Station Sump

| Sample Id:Hydrovac SolidsLab Sample Id:553892-001                                     |            | Matrix:<br>Date Collec | Soil<br>cted: 05.23.17 11.30 | Date Received:05.24.17 16.10 |  |                   |     |  |  |
|---|------------|------------------------|------------------------------|------------------------------|--|-------------------|-----|--|--|
| Analytical Method: Chloride by EP<br>Tech: MGO<br>Analyst: MGO<br>Seq Number: 3018325 | A 300      | Date Prep:             | 05.26.17 08.00               |                              | Prep Method: E30<br>% Moisture:<br>Basis: We | 00P<br>t Weight   |     |  |  |
| Parameter   | Cas Number | Result                 | RL                           | Units                        | Analysis Date                                | Flag              | Dil |  |  |
| Chloride  | 16887-00-6 | 52.5                   | 4.93                         | mg/kg                        | 05.26.17 09.24                               |                   | 1   |  |  |
| Analytical Method: TPH by SW801<br>Tech: ARM<br>Analyst: ARM<br>Seq Number: 3018367   | 5 Mod      | Date Prep:             | 05.26.17 17.00               |                              | Prep Method: TX<br>% Moisture:<br>Basis: We  | 1005P<br>t Weight |     |  |  |
| Parameter   | Cas Number | Result                 | RL                           | Units                        | Analysis Date                                | Flag              | Dil |  |  |
| C6-C10 Gasoline Range Hydrocarbons  | PHC610     | <15.0                  | 15.0                         | mg/kg                        | 05.27.17 13.45                               | U                 | 1   |  |  |
| C10-C28 Diesel Range Organics   | C10C28DRO  | 187                    | 15.0                         | mg/kg                        | 05.27.17 13.45                               |                   | 1   |  |  |
| C28-C35 Oil Range Hydrocarbons  | PHCG2835   | 265                    | 15.0                         | mg/kg                        | 05.27.17 13.45                               |                   | 1   |  |  |
| Total TPH   | PHC635     | 452                    | 15.0                         | mg/kg                        | 05.27.17 13.45                               |                   | 1   |  |  |

| tal TPH        | PHC635 | 452        | 15.0          |       | mg/kg  | 05.27.17 13.45 |      |  |
|----------------|--------|------------|---------------|-------|--------|----------------|------|--|
| Surrogate      |        | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |  |
| 1-Chlorooctane |        | 111-85-3   | 112           | %     | 70-135 | 05.27.17 13.45 |      |  |
| o-Terphenyl    |        | 84-15-1    | 110           | %     | 70-135 | 05.27.17 13.45 |      |  |





### TRC Solutions, Inc, Midland, TX

A14 Compressor Station Sump

| Sample Id:Hydrovac SolidsLab Sample Id:553892-001                        | Matrix: Soil<br>Date Collected: 05.23.17 11.30 | Date Received:05.24.17 16.10                             |
|--|--|--|
| Analytical Method:BTEX by EPA 8021BTech:ALJAnalyst:ALJSeq Number:3018244 | Date Prep: 05.25.17 08.00                      | Prep Method: SW5030B<br>% Moisture:<br>Basis: Wet Weight |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00201  | 0.00201       |       | mg/kg  | 05.25.17 10.02 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00201  | 0.00201       |       | mg/kg  | 05.25.17 10.02 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00201  | 0.00201       |       | mg/kg  | 05.25.17 10.02 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00402  | 0.00402       |       | mg/kg  | 05.25.17 10.02 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00201  | 0.00201       |       | mg/kg  | 05.25.17 10.02 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00201  | 0.00201       |       | mg/kg  | 05.25.17 10.02 | U    | 1   |
| Total BTEX           |             | < 0.00201  | 0.00201       |       | mg/kg  | 05.25.17 10.02 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 111           | %     | 80-120 | 05.25.17 10.02 |      |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 86            | %     | 80-120 | 05.25.17 10.02 |      |     |



# **Flagging Criteria**



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

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

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

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|   |                |                |



# QC Summary 553892

# **TRC Solutions, Inc**

A14 Compressor Station Sump

| Analytical Method: | Chloride by EPA 300 | 0               |               |             |                  |              |        | Pr   | ep Metho     | d: E30   | OP               |      |
|--------------------|---------------------|-----------------|---------------|-------------|------------------|--------------|--------|------|--------------|----------|------------------|------|
| Seq Number:        | 3018325 Matrix      |                 |               |             | Solid Date Prep: |              |        |      |              | ep: 05.2 | 6.17             |      |
| MB Sample Id:      | 725214-1-BLK        |                 | LCS Sar       | nple Id:    | 725214-1-        | BKS          |        | LCSI | O Sample     | Id: 7252 | 214-1-BSD        |      |
|                    |                     |                 |               |             |                  |              |        |      |              |          |                  |      |
| Parameter          | MB<br>Result        | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result   | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units    | Analysis<br>Date | Flag |

| Analytical Method: | Chloride by EPA 30 | 00              |              |            |               |             |        | Pr   | ep Metho     | od: E30    | 0P               |      |
|--------------------|--------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|------------|------------------|------|
| Seq Number:        | 3018325            |                 |              | Matrix:    | Soil          |             |        |      | Date Pre     | ep: 05.2   | 6.17             |      |
| Parent Sample Id:  | 553892-001         |                 | MS Sar       | nple Id:   | 553892-00     | 01 S        |        | MS   | D Sample     | e Id: 5538 | 392-001 SD       |      |
| Parameter          | Parent<br>Result   | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units      | Analysis<br>Date | Flag |
| Chloride           | 52.5               | 247             | 301          | 101        | 302           | 101         | 90-110 | 0    | 20           | mg/kg      | 05.26.17 09:32   |      |

| Analytical Method:      | Analytical Method: TPH by SW8015 Mod Prep Method: TX1005P |   |                 |               |             |                |              |        |                     |              |       |                  |      |
|-------------------------|---|---|-----------------|---------------|-------------|----------------|--------------|--------|---------------------|--------------|-------|------------------|------|
| Seq Number:             | 3018367   |   |                 | Matrix: Solid |             |                |              |        | Date Prep: 05.26.17 |              |       |                  |      |
| MB Sample Id:           | 725298-1-   | 725298-1-BLKLCS Sample Id:725298-1-BKSLCSD Sample Id: |                 |               |             |                |              |        | e Id: 7252          | 298-1-BSD    |       |                  |      |
| Parameter               |   | MB<br>Result  | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result | LCSD<br>%Rec | Limits | %RPD                | RPD<br>Limit | Units | Analysis<br>Date | Flag |
| C6-C10 Gasoline Range H | ydrocarbons   | <15.0   | 1000            | 1010          | 101         | 1110           | 111          | 70-135 | 9                   | 35           | mg/kg | 05.27.17 13:04   |      |
| C10-C28 Diesel Range    | Organics  | <15.0   | 1000            | 1030          | 103         | 1070           | 107          | 70-135 | 4                   | 35           | mg/kg | 05.27.17 13:04   |      |
| Surrogate               |   | MB<br>%Rec  | MB<br>Flag      |               | CS<br>Rec   | LCS<br>Flag    | LCSI<br>%Re  |        |                     | imits        | Units | Analysis<br>Date |      |
| 1-Chlorooctane          |   | 118   |                 | 1             | 05          |                | 120          |        | 70                  | -135         | %     | 05.27.17 13:04   |      |
| o-Terphenyl             |   | 117   |                 | 1             | 04          |                | 117          |        | 70                  | -135         | %     | 05.27.17 13:04   |      |

| Analytical Method:      |                            |                  |                 | Pr                           | ep Meth      | od: TX1       | .005P       |        |                     |              |       |                  |      |
|-------------------------|----------------------------|------------------|-----------------|------------------------------|--------------|---------------|-------------|--------|---------------------|--------------|-------|------------------|------|
| Seq Number:             | 3018367                    |                  |                 |                              | Matrix: Soil |               |             |        | Date Prep: 05.26.17 |              |       |                  |      |
| Parent Sample Id:       | MS Sample Id: 553892-001 S |                  |                 | MSD Sample Id: 553892-001 SD |              |               |             |        |                     |              |       |                  |      |
| Parameter               |                            | Parent<br>Result | Spike<br>Amount | MS<br>Result                 | MS<br>%Rec   | MSD<br>Result | MSD<br>%Rec | Limits | %RPD                | RPD<br>Limit | Units | Analysis<br>Date | Flag |
| C6-C10 Gasoline Range H | ydrocarbons                | <15.0            | 999             | 981                          | 98           | 1030          | 103         | 70-135 | 5                   | 35           | mg/kg | 05.27.17 14:06   |      |
| C10-C28 Diesel Range    | Organics                   | 187              | 999             | 1130                         | 94           | 1150          | 96          | 70-135 | 2                   | 35           | mg/kg | 05.27.17 14:06   |      |
| Surrogate               |                            |                  |                 |                              | 1S<br>Rec    | MS<br>Flag    | MSD<br>%Re  |        |                     | mits         | Units | Analysis<br>Date |      |
| 1-Chlorooctane          |                            |                  |                 | 1                            | 00           |               | 118         |        | 70                  | -135         | %     | 05.27.17 14:06   |      |
| o-Terphenyl             |                            |                  |                 |                              | 76           |               | 108         |        | 70                  | -135         | %     | 05.27.17 14:06   |      |



### **TRC Solutions, Inc**

A14 Compressor Station Sump

| Analytical Method:   | BTEX by EPA 802 | 1B              |               |             |                |              |        | P                            | rep Meth     | od: SW3 | 5030B            |      |
|----------------------|-----------------|-----------------|---------------|-------------|----------------|--------------|--------|------------------------------|--------------|---------|------------------|------|
| Seq Number:          | 3018244         |                 | Matrix: Solid |             |                |              |        | Date Prep: 05.25.17          |              |         |                  |      |
| MB Sample Id:        | 725225-1-BLK    |                 | LCS San       | 725225-1-   | 725225-1-BKS L |              |        | LCSD Sample Id: 725225-1-BSD |              |         |                  |      |
| Parameter            | MB<br>Result    | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result | LCSD<br>%Rec | Limits | %RPD                         | RPD<br>Limit | Units   | Analysis<br>Date | Flag |
| Benzene              | < 0.00201       | 0.100           | 0.0826        | 83          | 0.0767         | 76           | 70-130 | 7                            | 35           | mg/kg   | 05.25.17 07:20   |      |
| Toluene              | < 0.00201       | 0.100           | 0.0823        | 82          | 0.0810         | 80           | 70-130 | 2                            | 35           | mg/kg   | 05.25.17 07:20   |      |
| Ethylbenzene         | < 0.00201       | 0.100           | 0.0915        | 92          | 0.0810         | 80           | 71-129 | 12                           | 35           | mg/kg   | 05.25.17 07:20   |      |
| m,p-Xylenes          | < 0.00402       | 0.201           | 0.177         | 88          | 0.165          | 82           | 70-135 | 7                            | 35           | mg/kg   | 05.25.17 07:20   |      |
| o-Xylene             | < 0.00201       | 0.100           | 0.0865        | 87          | 0.0803         | 80           | 71-133 | 7                            | 35           | mg/kg   | 05.25.17 07:20   |      |
| Surrogate            | MB<br>%Rec      | MB<br>Flag      |               |             | LCS<br>Flag    | LCSI<br>%Re  |        |                              | imits        | Units   | Analysis<br>Date |      |
| 1,4-Difluorobenzene  | 93              |                 | 1             | 15          |                | 101          |        | 80                           | )-120        | %       | 05.25.17 07:20   |      |
| 4-Bromofluorobenzene | 92              |                 | 1             | 18          |                | 101          |        | 80                           | 0-120        | %       | 05.25.17 07:20   |      |

| <b>Analytical Method:</b><br>Seq Number:<br>Parent Sample Id: | <b>BTEX by EPA 802</b><br>3018244<br>553764-001 | lB              | Matrix: Soil<br>MS Sample Id: 553764-001 S |            |               |             |        |      | Prep Method: SW5030B<br>Date Prep: 05.25.17<br>MSD Sample Id: 553764-001 SD |       |                  |      |  |  |
|---|---|-----------------|--|------------|---------------|-------------|--------|------|---|-------|------------------|------|--|--|
| Parameter   | Parent<br>Result                                | Spike<br>Amount | MS<br>Result                               | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit  | Units | Analysis<br>Date | Flag |  |  |
| Benzene   | < 0.00201                                       | 0.100           | 0.0527                                     | 53         | 0.0647        | 65          | 70-130 | 20   | 35  | mg/kg | 05.25.17 07:52   | Х    |  |  |
| Toluene   | < 0.00201                                       | 0.100           | 0.0553                                     | 55         | 0.0688        | 69          | 70-130 | 22   | 35  | mg/kg | 05.25.17 07:52   | Х    |  |  |
| Ethylbenzene  | < 0.00201                                       | 0.100           | 0.0562                                     | 56         | 0.0640        | 64          | 71-129 | 13   | 35  | mg/kg | 05.25.17 07:52   | Х    |  |  |
| m,p-Xylenes   | < 0.00402                                       | 0.201           | 0.102                                      | 51         | 0.125         | 63          | 70-135 | 20   | 35  | mg/kg | 05.25.17 07:52   | Х    |  |  |
| o-Xylene  | < 0.00201                                       | 0.100           | 0.0543                                     | 54         | 0.0658        | 66          | 71-133 | 19   | 35  | mg/kg | 05.25.17 07:52   | Х    |  |  |
| Surrogate   |   |                 |  | IS<br>Rec  | MS<br>Flag    | MSD<br>%Ree |        |      | imits   | Units | Analysis<br>Date |      |  |  |
| 1,4-Difluorobenzene   |   |                 | 10   | 00         |               | 100         |        | 80   | -120  | %     | 05.25.17 07:52   |      |  |  |
| 4-Bromofluorobenzene  |   |                 | 1  | 17         |               | 118         |        | 80   | -120  | %     | 05.25.17 07:52   |      |  |  |

| Relinquished by   | Relinquished by  | Relinquished by                                   | Special<br>Bill to R  |                 |                |             |    |    | Π               |             | LAB # (lab use only)   | ORDER #:         | (lab use only) |                         |                               |                |                      |                     |                               |                             | The Env                                     |
|-------------------|--|---|---|-----------------|----------------|-------------|----|----|-----------------|-------------|--|------------------|----------------|-------------------------|-------------------------------|----------------|----------------------|---------------------|-------------------------------|-----------------------------|---|
| hed by:           | NUU ALL  | held by:  | Special Instructions:<br>Bill to Rose Slade at Energy Transfer. |                 |                |             |    |    | нуаг            | Linder      | FE   | 500              | 37             |                         | Sampler Signature:            | Telephone No:  | City/State/Zip:      | Company Address:    | Company Name                  | Project Manager:            | The Environmental Lab of Texas              |
| al ur             | 1  |   | ransfer.  |                 |                |             |    |    | Hydrovac solids |             | FIELD CODE   | 1                | 1892           |                         | MUM                           | 432.520.7720   | Midland, Texas 79703 | 2057 Commerce Drive | TRC Environmental Corporation | Nikki Green                 | 8   |
| Dale              | Date   | Date  |   |                 |                |             |    |    |                 |             |  |                  |                |                         | 1 AL                          | -              | ; 79703              | e Drive             | ental Corpor                  |                             |   |
| 16                | = (5   |   |   |                 |                |             |    |    |                 |             | Beginning Depth  | 1                |                |                         | Le                            |                |                      |                     | ation                         |                             |   |
| Time              | 1530<br>Time   | Time  |   |                 | 1              |             |    |    |                 |             | Ending Depth   |                  |                |                         | 2                             |                |                      |                     |                               |                             |   |
| Received by ELOT: |  | Received by:                                      |   |                 |                |             |    |    | 5/23/2017       | r inninna 7 | Date Sampled   |                  |                |                         |                               |                |                      |                     |                               |                             |   |
| OT:               |  |   |   |                 |                |             |    |    | 1130            |             | Time Sampled   |                  |                |                         | e-mail:                       | Fax No:        |                      |                     |                               |                             |   |
|                   |  |   |   |                 |                |             |    |    |                 |             | Field Filtered   | 1                |                |                         | -                             |                |                      |                     |                               |                             |   |
|                   |  |   |   |                 |                |             |    |    | -               |             | Total #. of Containers   |                  |                |                         | 5                             |                |                      |                     |                               |                             |   |
|                   |  |   |   |                 | -              |             |    | ++ | ×               | _           | Ice  | Pn               |                | DO                      | rose.slade@energytransfer.com |                |                      |                     |                               |                             | 12600 West I-20 East<br>Odessa, Texas 79765 |
|                   |  |   |   | _               | -              |             | ++ | ++ |                 | 4           | HNO <sub>3</sub><br>HCI  | Preservation & # |                | reer                    | lade                          | 1              |                      |                     |                               |                             | o W   |
|                   |  |   |   |                 | +              |             | ++ | ++ | ++              | +           | H <sub>2</sub> SO <sub>4</sub>   | ation            | 1              | 1@t                     | 000                           |                |                      |                     |                               |                             | est I<br>Tex                                |
|                   |  |   |   |                 | +              |             |    | ++ |                 | 1           | NaOH   | 8 # of           |                | .cso                    | iner                          |                |                      |                     |                               |                             | t I-20 East<br>xas 79765 Fax: 432-563-1713  |
|                   |  |   |   |                 | 1              |             |    |    |                 | 1           | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>  | of Containers    |                | ngreen@trcsolutions.com | gytr                          |                |                      |                     |                               |                             | 0 East<br>79765                             |
| 1                 | M  |   |   |                 |                |             |    |    |                 |             | None   | ainer            |                | Ins.                    | ansf                          |                |                      |                     |                               |                             | 01.11                                       |
| Date              | Date   | Date  |   |                 |                |             |    |    |                 |             | Other ( Specify)   | Ľ                |                | noc                     | er.c                          |                | Į.                   | 4                   |                               | 1                           |   |
| fe                | L  | te  |   |                 |                |             |    |    |                 | Shi         | DW=Drinking Water SL=Sludge<br>GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other | Matrix           |                |                         | om                            | Report Format: |                      | P                   |                               | Proj                        |   |
| Time              | Time   | Time  |   | -1              |                |             |    |    | 3               | ×           | TPH: 418.1 8015M 801   | 5B               |                |                         |                               | Forn           |                      | Project Loc:        | Pro                           | Project Name:               |   |
|                   |  |   |   |                 | -              |             | +  | ++ | -               | _           | TPH: TX 1005 TX 1006   | -                |                |                         |                               | nat:           | PO #:                | t Lo                | Project #:                    | Vame                        |   |
|                   | Custody seals on container(s)<br>Custody seals on cooler(s)<br>Sample Hand Delivered<br>by Sampler/Client Rep. ? | VOCs Free of Headspace?<br>Labels on container(s) | Laboratory Comments:<br>Sample Containers Intact?               | -               | -              |             | +  |    |                 | -+          | Cations (Ca, Mg, Na, K)<br>Anions (Cl, SO4, Alkalinity)                                      |                  | -              |                         |                               | _              | *                    | 1                   |                               | 6                           |   |
| y Co              | ody :<br>ole F<br>y Sa   | s Fre   | ple C   |                 | -              |             | ++ | ++ |                 | -           | SAR / ESP / CEC  |                  | TOTAL:         |                         |                               | ¥ St           |                      |                     |                               |                             |   |
| urier             | tody seals on container<br>tody seals on cooler(s)<br>nple Hand Delivered<br>by Sampler/Client Rep. ?            | e of  | onta  |                 |                | - 0         | ++ |    | ++              | -           | Metals: As Ag Ba Cd Cr Pb Hg S   | Se               | 1              |                         |                               | Standard       |                      |                     |                               | A1                          | Pho   |
| 2                 | s on<br>Del  | Heat  | iner  | Corrected Temp: | ~              | Temp: 0.200 | ++ | ++ |                 | +           | Volatiles  | 1                |                | Analyze For:            |                               | ard            |                      |                     |                               | 4 C                         | Phone: 432-563-1800<br>Fax: 432-563-1713    |
| Ų                 | cool<br>ivere<br>ent R   | adsp<br>er(s)                                     | ment<br>s Int   | ect             | 6-2            | 0-6         | ++ |    |                 | 1           | Semivolatiles  |                  |                | ze F                    | 1                             |                |                      | 5                   | 쿠                             | omp                         | 43  |
| S                 | taine<br>ler(s<br>d<br>tep.  | ace   | ts:<br>act?   | ed              | ω.             | 5           |    |    | ;               | ×           | BTEX 8021B/5030 or BTEX 826  | 50               |                | 19                      |                               |                |                      | a C                 | C #                           | pres                        | 432-563-1800<br>432-563-1713                |
| DHL               | )<br>)   | 2   |   | Ter             | +0.2           | 2.0         |    |    |                 | -           | RCI  |                  |                | 1                       |                               | TRRP           |                      | ount                | # 2                           | Sor                         | 3-18  |
| Ê                 |  |   |   | np:             | (6-23: +0.2°C) | ju j        |    |    |                 |             | N.O.R.M.   |                  |                |                         |                               | RP             |                      | Lea County, NM      | TRC #: 273818                 | Sta                         | 300   |
| FedEx             |  |   |   |                 | -              |             |    |    | ;               | ×           | Chlorides E 300.1  |                  |                |                         |                               |                |                      | Ν                   | 18                            | A14 Compressor Station Sump |   |
| JEx               | ××××   | $\prec$   | ~   | in              |                | Ī           |    |    |                 |             |  |                  | 21             |                         |                               |                |                      |                     |                               | Su                          |   |
| Lon               |  |   |   | 5               |                | IR ID:R-8   |    |    |                 |             |  | _                |                |                         |                               | NPDES          |                      |                     |                               | du                          |   |
| Lone Star         | ZZZZ   | ZZ  | z   |                 |                | 'n          |    |    |                 | -           | RUSH TAT (Pre-Schedule) 24,  | 48,              | 72 hrs         |                         |                               | ES             |                      |                     |                               |                             |   |
| 222               |  |   |   |                 |                | 8           |    |    | ×               |             | Standard 3-Day TAT   |                  |                |                         |                               |                |                      | 1.                  |                               | L.                          |   |

Final 1.000



# **XENCO Laboratories**



**EDRATORIES** Prelogin/Nonconformance Report- Sample Log-In

| Client: TRC Solutions, Inc                                 | Acceptable Temperature Range: 0 - 6 degC        |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|
| Date/ Time Received: 05/24/2017 04:10:00 PM                | Air and Metal samples Acceptable Range: Ambient |  |  |  |  |  |  |
| Work Order #: 553892                                       | Temperature Measuring device used : r8          |  |  |  |  |  |  |
| Sample Recei   | ot Checklist Comments                           |  |  |  |  |  |  |
| #1 *Temperature of cooler(s)?                              | 1.6   |  |  |  |  |  |  |
| #2 *Shipping container in good condition?                  | Yes   |  |  |  |  |  |  |
| #3 *Samples received on ice?                               | Yes   |  |  |  |  |  |  |
| #4 *Custody Seal present on shipping container/ cooler?    | N/A   |  |  |  |  |  |  |
| #5 *Custody Seals intact on shipping container/ cooler?    | N/A   |  |  |  |  |  |  |
| #6 Custody Seals intact on sample bottles?                 | N/A   |  |  |  |  |  |  |
| #7 *Custody Seals Signed and dated?                        | N/A   |  |  |  |  |  |  |
| #8 *Chain of Custody present?                              | Yes   |  |  |  |  |  |  |
| #9 Sample instructions complete on Chain of Custody?       | Yes   |  |  |  |  |  |  |
| #10 Any missing/extra samples?                             | No  |  |  |  |  |  |  |
| #11 Chain of Custody signed when relinquished/ received?   | Yes   |  |  |  |  |  |  |
| #12 Chain of Custody agrees with sample label(s)?          | Yes   |  |  |  |  |  |  |
| #13 Container label(s) legible and intact?                 | Yes   |  |  |  |  |  |  |
| #14 Sample matrix/ properties agree with Chain of Custody? | Yes   |  |  |  |  |  |  |
| #15 Samples in proper container/ bottle?                   | Yes   |  |  |  |  |  |  |
| #16 Samples properly preserved?                            | Yes   |  |  |  |  |  |  |
| #17 Sample container(s) intact?                            | Yes   |  |  |  |  |  |  |
| #18 Sufficient sample amount for indicated test(s)?        | Yes   |  |  |  |  |  |  |
| #19 All samples received within hold time?                 | Yes   |  |  |  |  |  |  |
| #20 Subcontract of sample(s)?                              | N/A   |  |  |  |  |  |  |
| #21 VOC samples have zero headspace?                       | N/A   |  |  |  |  |  |  |

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

Analyst:

PH Device/Lot#:

Checklist completed by: Marithza Anaya

Date: 05/24/2017

Checklist reviewed by: Hely Taylor Holly Taylor

Date: 05/26/2017



Project Id:TRC#273818Contact:Nikki GreenProject Location:Lea County, NM

### Certificate of Analysis Summary 553893

TRC Solutions, Inc, Midland, TX

Engon ATON

Project Name: A-14 Compressor Station Sump

Date Received in Lab:Wed May-24-17 04:10 pmReport Date:30-MAY-17Project Manager:Liz Givens

|                                    | Lab Id:    | 553893-001        |  |  |  |
|------------------------------------|------------|-------------------|--|--|--|
| An aluaia Done ontod               | Field Id:  | BH-1@ 8"          |  |  |  |
| Analysis Requested                 | Depth:     | 8 In              |  |  |  |
|                                    | Matrix:    | SOIL              |  |  |  |
|                                    | Sampled:   | May-23-17 11:25   |  |  |  |
| BTEX by EPA 8021B                  | Extracted: | May-25-17 08:00   |  |  |  |
|                                    | Analyzed:  | May-25-17 10:36   |  |  |  |
|                                    | Units/RL:  | mg/kg RL          |  |  |  |
| Benzene                            |            | <0.00353 0.00353  |  |  |  |
| Toluene                            |            | <0.00353 0.00353  |  |  |  |
| Ethylbenzene                       |            | <0.00353 0.00353  |  |  |  |
| m,p-Xylenes                        |            | <0.00707 0.00707  |  |  |  |
| o-Xylene                           |            | <0.00353 0.00353  |  |  |  |
| Total Xylenes                      |            | <0.00353 0.00353  |  |  |  |
| Total BTEX                         |            | < 0.00353 0.00353 |  |  |  |
| Chloride by EPA 300                | Extracted: | May-26-17 08:00   |  |  |  |
|                                    | Analyzed:  | May-26-17 09:47   |  |  |  |
|                                    | Units/RL:  | mg/kg RL          |  |  |  |
| Chloride                           |            | 8.06 4.98         |  |  |  |
| TPH by SW8015 Mod                  | Extracted: | May-26-17 17:00   |  |  |  |
|                                    | Analyzed:  | May-27-17 14:48   |  |  |  |
|                                    | Units/RL:  | mg/kg RL          |  |  |  |
| C6-C10 Gasoline Range Hydrocarbons |            | <15.0 15.0        |  |  |  |
| C10-C28 Diesel Range Organics      |            | 203 15.0          |  |  |  |
| C28-C35 Oil Range Hydrocarbons     |            | 303 15.0          |  |  |  |
| Total TPH                          |            | 506 15.0          |  |  |  |

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

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Brand Retinson

Brandi Ritcherson Project Manager

# Analytical Report 553893

for TRC Solutions, Inc

Project Manager: Nikki Green

A-14 Compressor Station Sump

TRC#273818

**30-MAY-17** 

Collected By: Client





1211 W. Florida Ave, Midland TX 79701

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

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400) Xenco-San Antonio: Texas (T104704534) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



30-MAY-17



Project Manager: Nikki Green TRC Solutions, Inc 2057 Commerce Midland, TX 79703

Reference: XENCO Report No(s): **553893** A-14 Compressor Station Sump Project Address: Lea County, NM

#### Nikki Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 553893. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 553893 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,

nand

Brandi Ritcherson Project Manager

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Sample Id BH-1@ 8" Sample Cross Reference 553893



### TRC Solutions, Inc, Midland, TX

A-14 Compressor Station Sump

| Mat | rix Dat | e Collected Sa | ample Depth | Lab Sample Id |
|-----|---------|----------------|-------------|---------------|
| \$  | S 05-2  | 23-17 11:25    | - 8 In      | 553893-001    |

Page 4 of 12



### CASE NARRATIVE

Client Name: TRC Solutions, Inc Project Name: A-14 Compressor Station Sump

Project ID:TRC#273818Work Order Number(s):553893

 Report Date:
 30-MAY-17

 Date Received:
 05/24/2017

Sample receipt non conformances and comments:

5/30/17: 1.001 corrected project name.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments: Batch: LBA-3018244 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.





### TRC Solutions, Inc, Midland, TX

A-14 Compressor Station Sump

| Sample Id:         BH-1@ 8"           Lab Sample Id:         553893-001 |            | Date Received:05.2<br>Sample Depth: 8 |                | 0     |                  |          |     |
|---|------------|---------------------------------------|----------------|-------|------------------|----------|-----|
| Analytical Method: Chloride by E  | EPA 300    |                                       |                |       | Prep Method: E30 | )0P      |     |
| Tech: MGO   |            |                                       |                |       | % Moisture:      |          |     |
| Analyst: MGO  |            | Date Prep:                            | 05.26.17 08.00 |       | Basis: We        | t Weight |     |
| Seq Number: 3018325   |            |                                       |                |       |                  |          |     |
| Parameter   | Cas Number | Result                                | RL             | Units | Analysis Date    | Flag     | Dil |
| Chloride  | 16887-00-6 | 8.06                                  | 4.98           | mg/kg | 05.26.17 09.47   |          | 1   |
| Analytical Method: TPH by SW8   | 015 Mod    |                                       |                |       | Prep Method: TX  | 1005P    |     |
| Tech: ARM   |            |                                       |                |       | % Moisture:      |          |     |
| Analyst: ARM  |            | Date Prep:                            | 05.26.17 17.00 |       | Basis: We        | t Weight |     |
| Seq Number: 3018367   |            |                                       |                |       |                  |          |     |
| Parameter   | Cas Number | Result                                | RL             | Units | Analysis Date    | Flag     | Dil |
| C6-C10 Gasoline Range Hydrocarbons                                      | PHC610     | <15.0                                 | 15.0           | mg/kg | 05.27.17 14.48   | U        | 1   |

| co-cro Gasonne Range Tryarocarbons | THEOTO    | <15.0      | 15.0     |       | mg/kg  | 03.27.17 14.46 | 0    | 1 |  |
|------------------------------------|-----------|------------|----------|-------|--------|----------------|------|---|--|
| C10-C28 Diesel Range Organics      | C10C28DRO | 203        | 15.0     |       | mg/kg  | 05.27.17 14.48 |      | 1 |  |
| C28-C35 Oil Range Hydrocarbons     | PHCG2835  | 303        | 15.0     |       | mg/kg  | 05.27.17 14.48 |      | 1 |  |
| Total TPH                          | PHC635    | 506        | 15.0     |       | mg/kg  | 05.27.17 14.48 |      | 1 |  |
|                                    |           |            | %        |       |        |                |      |   |  |
| Surrogate                          |           | Cas Number | Recovery | Units | Limits | Analysis Date  | Flag |   |  |
| 1-Chlorooctane                     |           | 111-85-3   | 99       | %     | 70-135 | 05.27.17 14.48 |      |   |  |
| o-Terphenyl                        |           | 84-15-1    | 102      | %     | 70-135 | 05.27.17 14.48 |      |   |  |
|                                    |           |            |          |       |        |                |      |   |  |





### TRC Solutions, Inc, Midland, TX

A-14 Compressor Station Sump

| Sample Id:         BH-1@ 8"           Lab Sample Id:         553893-001  | Matrix:       | Soil               | Date Received                         | d:05.24.17 16.10      |
|--|---------------|--------------------|---------------------------------------|-----------------------|
|  | Date Collecte | ed: 05.23.17 11.25 | Sample Depth                          | h:8 In                |
| Analytical Method:BTEX by EPA 8021BTech:ALJAnalyst:ALJSeq Number:3018244 | Date Prep:    | 05.25.17 08.00     | Prep Method:<br>% Moisture:<br>Basis: | SW5030B<br>Wet Weight |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00353  | 0.00353       |       | mg/kg  | 05.25.17 10.36 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00353  | 0.00353       |       | mg/kg  | 05.25.17 10.36 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00353  | 0.00353       |       | mg/kg  | 05.25.17 10.36 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00707  | 0.00707       |       | mg/kg  | 05.25.17 10.36 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00353  | 0.00353       |       | mg/kg  | 05.25.17 10.36 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00353  | 0.00353       |       | mg/kg  | 05.25.17 10.36 | U    | 1   |
| Total BTEX           |             | < 0.00353  | 0.00353       |       | mg/kg  | 05.25.17 10.36 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 93            | %     | 80-120 | 05.25.17 10.36 |      |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 113           | %     | 80-120 | 05.25.17 10.36 |      |     |



# **Flagging Criteria**



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

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| 1211 W Florida Ave, Midland, TX 79701 (432) 563-1800 (432) 5        | 53-1713 |
| 2525 W. Huntington Dr Suite 102, Tempe AZ 85282 (602) 437-0330      |         |



# QC Summary 553893

### **TRC Solutions, Inc**

A-14 Compressor Station Sump

| Analytical Method: | Chloride by EPA 3 | 00      |                             |      |               |      |        | Pr       | ep Metho            | d: E30    | 0P       |      |  |
|--------------------|-------------------|---------|-----------------------------|------|---------------|------|--------|----------|---------------------|-----------|----------|------|--|
| Seq Number:        | 3018325           | 3018325 |                             |      | Matrix: Solid |      |        |          | Date Prep: 05.26.17 |           |          |      |  |
| MB Sample Id:      | 725214-1-BLK      | LCS Sar | LCS Sample Id: 725214-1-BKS |      |               |      | LCSI   | D Sample | Id: 7252            | 214-1-BSD |          |      |  |
| Parameter          | MB                | Spike   | LCS                         | LCS  | LCSD          | LCSD | Limits | %RPD     | RPD                 | Units     | Analysis | Flag |  |
|                    | Result            | Amount  | Result                      | %Rec | Result        | %Rec |        |          | Limit               |           | Date     | Flag |  |

| Analytical Method: | Chloride by EPA 3 | 00              |              |                            |               |             |        | Pr   | ep Metho                     | od: E30             | 0P               |      |  |
|--------------------|-------------------|-----------------|--------------|----------------------------|---------------|-------------|--------|------|------------------------------|---------------------|------------------|------|--|
| Seq Number:        | 3018325           | 3018325         |              |                            | Matrix: Soil  |             |        |      |                              | Date Prep: 05.26.17 |                  |      |  |
| Parent Sample Id:  | 553892-001        |                 | MS Sar       | MS Sample Id: 553892-001 S |               |             |        |      | MSD Sample Id: 553892-001 SD |                     |                  |      |  |
| Parameter          | Parent<br>Result  | Spike<br>Amount | MS<br>Result | MS<br>%Rec                 | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit                 | Units               | Analysis<br>Date | Flag |  |
| Chloride           | 52.5              | 247             | 301          | 101                        | 302           | 101         | 90-110 | 0    | 20                           | mg/kg               | 05.26.17 09:32   |      |  |

| <b>Analytical Method:</b> | TPH by S    | W8015 M      | od              |               |             |                |              |        | Pı   | ep Meth      | od: TX1    | 005P             |      |
|---------------------------|-------------|--------------|-----------------|---------------|-------------|----------------|--------------|--------|------|--------------|------------|------------------|------|
| Seq Number:               | 3018367     |              |                 |               | Matrix:     | Solid          |              |        |      | Date Pr      | ep: 05.2   | 6.17             |      |
| MB Sample Id:             | 725298-1-   | BLK          |                 | LCS Sar       | nple Id:    | 725298-1       | -BKS         |        | LCS  | D Sample     | e Id: 7252 | 298-1-BSD        |      |
| Parameter                 |             | MB<br>Result | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units      | Analysis<br>Date | Flag |
| C6-C10 Gasoline Range Hy  | ydrocarbons | <15.0        | 1000            | 1010          | 101         | 1110           | 111          | 70-135 | 9    | 35           | mg/kg      | 05.27.17 13:04   |      |
| C10-C28 Diesel Range      | Organics    | <15.0        | 1000            | 1030          | 103         | 1070           | 107          | 70-135 | 4    | 35           | mg/kg      | 05.27.17 13:04   |      |
| Surrogate                 |             | MB<br>%Rec   | MB<br>Flag      |               | CS<br>Rec   | LCS<br>Flag    | LCSI<br>%Re  |        |      | mits         | Units      | Analysis<br>Date |      |
| 1-Chlorooctane            |             | 118          |                 | 1             | 05          |                | 120          |        | 70   | -135         | %          | 05.27.17 13:04   |      |
| o-Terphenyl               |             | 117          |                 | 1             | 04          |                | 117          |        | 70   | -135         | %          | 05.27.17 13:04   |      |

| <b>Analytical Method:</b> | lod         |   |                 |              |            |               | Prep Method: TX1005P |        |      |              |          |                  |      |
|---------------------------|-------------|---|-----------------|--------------|------------|---------------|----------------------|--------|------|--------------|----------|------------------|------|
| Seq Number:               | 3018367     |   |                 |              | Matrix:    | Soil          |                      |        |      | Date Pr      | ep: 05.2 | 6.17             |      |
| Parent Sample Id:         | 553892-00   | MS Sample Id: 553892-001 S MSD Sample Id: 553892-001 SD |                 |              |            |               |                      |        |      |              |          |                  |      |
| Parameter                 |             | Parent<br>Result  | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec          | Limits | %RPD | RPD<br>Limit | Units    | Analysis<br>Date | Flag |
| C6-C10 Gasoline Range Hy  | ydrocarbons | <15.0   | 999             | 981          | 98         | 1030          | 103                  | 70-135 | 5    | 35           | mg/kg    | 05.27.17 14:06   |      |
| C10-C28 Diesel Range      | Organics    | 187   | 999             | 1130         | 94         | 1150          | 96                   | 70-135 | 2    | 35           | mg/kg    | 05.27.17 14:06   |      |
| Surrogate                 |             |   |                 |              | AS<br>Rec  | MS<br>Flag    | MSD<br>%Re           |        |      | mits         | Units    | Analysis<br>Date |      |
| 1-Chlorooctane            |             |   |                 | 1            | 00         |               | 118                  |        | 70   | -135         | %        | 05.27.17 14:06   |      |
| o-Terphenyl               |             |   |                 | ,            | 76         |               | 108                  |        | 70   | -135         | %        | 05.27.17 14:06   |      |



### **TRC Solutions, Inc**

A-14 Compressor Station Sump

| Analytical Method:<br>Seq Number:<br>MB Sample Id: | <b>BTEX by EPA 802</b><br>3018244<br>725225-1-BLK | 1B              | Matrix: Solid<br>LCS Sample Id: 725225-1-BK |             |                |              | Prep Method: SW5030B<br>Date Prep: 05.25.17<br>BKS LCSD Sample Id: 725225-1-BSD |      |              |       |                  |      |
|--|---|-----------------|---|-------------|----------------|--------------|---|------|--------------|-------|------------------|------|
| Parameter  | MB<br>Result                                      | Spike<br>Amount | LCS<br>Result                               | LCS<br>%Rec | LCSD<br>Result | LCSD<br>%Rec | Limits  | %RPD | RPD<br>Limit | Units | Analysis<br>Date | Flag |
| Benzene  | < 0.00201   | 0.100           | 0.0826                                      | 83          | 0.0767         | 76           | 70-130  | 7    | 35           | mg/kg | 05.25.17 07:20   |      |
| Toluene  | < 0.00201   | 0.100           | 0.0823                                      | 82          | 0.0810         | 80           | 70-130  | 2    | 35           | mg/kg | 05.25.17 07:20   |      |
| Ethylbenzene                                       | < 0.00201   | 0.100           | 0.0915                                      | 92          | 0.0810         | 80           | 71-129  | 12   | 35           | mg/kg | 05.25.17 07:20   |      |
| m,p-Xylenes  | < 0.00402   | 0.201           | 0.177                                       | 88          | 0.165          | 82           | 70-135  | 7    | 35           | mg/kg | 05.25.17 07:20   |      |
| o-Xylene   | < 0.00201   | 0.100           | 0.0865                                      | 87          | 0.0803         | 80           | 71-133  | 7    | 35           | mg/kg | 05.25.17 07:20   |      |
| Surrogate  | MB<br>%Rec  | MB<br>Flag      |   |             | LCS<br>Flag    | LCSI<br>%Re  |   |      | imits        | Units | Analysis<br>Date |      |
| 1,4-Difluorobenzene                                | 93  |                 | 1   | 15          |                | 101          |   | 80   | )-120        | %     | 05.25.17 07:20   |      |
| 4-Bromofluorobenzene                               | 92  |                 | 1   | 18          |                | 101          |   | 80   | )-120        | %     | 05.25.17 07:20   |      |

| Analytical Method:   | BTEX by EPA 802  | 1B              |              |            |               |             |        | P    | rep Meth     | od: SW3    | 5030B            |      |
|----------------------|------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|------------|------------------|------|
| Seq Number:          | 3018244          |                 | ]            | Matrix:    | Soil          |             |        |      | Date Pr      | ep: 05.2   | 5.17             |      |
| Parent Sample Id:    | 553764-001       |                 | MS San       | nple Id:   | 553764-00     | 01 S        |        | MS   | D Sample     | e Id: 5537 | 764-001 SD       |      |
| Parameter            | Parent<br>Result | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units      | Analysis<br>Date | Flag |
| Benzene              | < 0.00201        | 0.100           | 0.0527       | 53         | 0.0647        | 65          | 70-130 | 20   | 35           | mg/kg      | 05.25.17 07:52   | Х    |
| Toluene              | < 0.00201        | 0.100           | 0.0553       | 55         | 0.0688        | 69          | 70-130 | 22   | 35           | mg/kg      | 05.25.17 07:52   | Х    |
| Ethylbenzene         | < 0.00201        | 0.100           | 0.0562       | 56         | 0.0640        | 64          | 71-129 | 13   | 35           | mg/kg      | 05.25.17 07:52   | Х    |
| m,p-Xylenes          | < 0.00402        | 0.201           | 0.102        | 51         | 0.125         | 63          | 70-135 | 20   | 35           | mg/kg      | 05.25.17 07:52   | Х    |
| o-Xylene             | < 0.00201        | 0.100           | 0.0543       | 54         | 0.0658        | 66          | 71-133 | 19   | 35           | mg/kg      | 05.25.17 07:52   | Х    |
| Surrogate            |                  |                 |              | IS<br>Rec  | MS<br>Flag    | MSD<br>%Re  |        |      | imits        | Units      | Analysis<br>Date |      |
| 1,4-Difluorobenzene  |                  |                 | 1            | 00         |               | 100         |        | 80   | )-120        | %          | 05.25.17 07:52   |      |
| 4-Bromofluorobenzene |                  |                 | 1            | 17         |               | 118         |        | 80   | )-120        | %          | 05.25.17 07:52   |      |

| Kelinquisned by:          | Relinquished by<br>Relinquished by  | Special I  |                 |                                    |       |   |   |           | LAB # (lab use only)   | ORDER #:         | (lab use only)  |  |                |                      |                     |                               |                             | The Environmer  |
|---------------------------|---|--|-----------------|------------------------------------|-------|---|---|-----------|--|------------------|-----------------|--|----------------|----------------------|---------------------|-------------------------------|-----------------------------|---|
| nea by:                   | Maril Ju  | Special Instructions:<br>Bill to Rose Slade at Energy Transfer |                 |                                    |       |   |   | BH        | Ē  |                  | 27              | Sampler Signature:                                       | Telephone No:  | City/State/Zip:      | Company Address:    | Company Name                  | Project Manager:            | ACTICO LADOFA   |
| C                         | ten 4   | anefor   |                 |                                    |       |   |   | BH-1 @ 8" | FIELD CODE   | 0                | 2002            | MMM  | 432.520.7720   | Midland, Texas 79703 | 2057 Commerce Drive | TRC Environmental Corporation | Nikki Green                 | LADOFALOFIES  |
| Date                      | Date<br>Date<br>Date  |  |                 |                                    |       |   |   |           |  | F                |                 | A  | 00             | 9703                 | Drive               | al Corpo                      |                             |   |
|                           | 16 13   | Ī  |                 |                                    |       |   |   |           | Beginning Depth  |                  |                 | E  |                |                      |                     | ration                        |                             |   |
| TIMe                      | Time<br>Time<br>Time  | t  |                 |                                    |       |   |   |           | Ending Depth   |                  |                 | 1  |                |                      |                     |                               |                             |   |
| Received by ELUI:         | Received by:  |  |                 |                                    |       |   |   | 5/23/217  | Date Sampled   |                  |                 |  |                |                      |                     |                               |                             |   |
| 01:                       |   |  |                 |                                    |       |   |   | 1125      | Time Sampled   |                  |                 | e-mail:  | Fax No:        |                      |                     |                               |                             |   |
|                           |   |  |                 |                                    |       |   |   |           | Field Filtered   |                  |                 |  |                |                      |                     |                               |                             |   |
|                           |   |  | 1.              |                                    |       |   | - | -         | Total #. of Containers   | -                |                 | 5  |                |                      |                     |                               |                             | ~ .   |
|                           |   | -  |                 |                                    | -     |   |   | ×         | lce  | - 2              |                 | rose.slade@energytransfer.com<br>ngreen@trcsolutions.com |                |                      |                     |                               |                             | CHAIN OI<br>12600 West I-20 East<br>Odessa, Texas 79765   |
|                           |   | H  | -               |                                    | -     |   |   |           | HNO <sub>3</sub><br>HCI  | eserv            |                 | lad  |                |                      |                     |                               |                             | 0 W<br>ssa,   |
|                           |   | H  | -               |                                    | -     | + |   | -         | H <sub>2</sub> SO <sub>4</sub>   | Preservation & # |                 |  |                |                      |                     |                               |                             | C<br>Tex  |
|                           |   | H  | -               |                                    | -     | + |   | -         | NaOH   |                  |                 | ner  |                |                      |                     |                               |                             | HAI<br>-20<br>as 7  |
|                           |   | F  |                 |                                    | -     |   |   |           | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>  | of Containers    |                 | e.slade@energytransfer.c<br>ngreen@trcsolutions.com      |                |                      |                     |                               |                             | 0 East<br>79765   |
| -                         | ()  |  |                 |                                    |       |   |   |           | None   | lainer           |                 | ans<br>ons.  |                |                      |                     |                               |                             | 5 TI C  |
| Date                      | Date<br>Date  |  |                 |                                    |       |   |   |           | Other (Specify)  | °                |                 | con  |                |                      |                     |                               | 1                           | US  |
| ite                       | 111   |  |                 |                                    |       |   |   | Soil      | DW=Drinking Water SL=Sludge<br>GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other |                  |                 | im   | Report Format: |                      | P                   |                               | Proj                        | CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST<br>Phone: 432-563-1800<br>xas 79765<br>Fax: 432-563-1713 |
| lime                      |   |  |                 |                                    |       |   |   | ×         |  | 8015B            |                 |  | Form           |                      | Project Loc:        | Pro                           | Project Name:               | CO  |
|                           |   |  |                 |                                    | -     |   |   |           | TPH: TX 1005 TX 100  | )6               |                 |  | nat:           | PO #:                | tLo                 | Project #:                    | Nam                         | RD  |
| Tem                       | VOC<br>Labe<br>Cust<br>Cust   | Labo   | _               |                                    | -     | + |   | -         | Cations (Ca, Mg, Na, K)  |                  |                 |  | _              | #                    | 2                   | *                             | e.                          | ANI   |
| pera                      | s Fr<br>ody<br>ody<br>oby Sa<br>by Sa<br>by C   | ple  | -               |                                    | -     |   | - | -         | Anions (CI, SO4, Alkalinity)   | -                | TCLP:<br>TOTAL: |  | k s            |                      |                     |                               |                             | DA  |
| iture                     | ee o<br>seal<br>seal<br>seal<br>Hand<br>Hand  | Cont   | - 6             | CF CF                              | 1 -   | + |   | -         | SAR / ESP / CEC<br>Metals: As Ag Ba Cd Cr Pb H   | In Se            | <u>F</u> P      |  | Standard       |                      |                     |                               | P                           | Ph  |
| Upc                       | f He<br>ntair<br>s on<br>s on<br>s on<br>s on<br>s on<br>s on<br>s on<br>f<br>u De<br>f<br>f<br>l De<br>f<br>r?   | aine   | rrec            | (6-                                | Temp: | + |   |           | Volatiles  | 19 00            |                 | Anal   | ard            |                      |                     |                               | 40                          | ALYS<br>hone:<br>Fax:   |
| Temperature Upon Receipt: | VOCs Free of Headspace?<br>Labels on container(s)<br>Custody seals on container(s)<br>Custody seals on cooler(s)<br>Sample Hand Delivered<br>by Sampler/Client Rep. ?<br>by Courier? UPS DH | Laboratory Comments:<br>Sample Containers Intact?              | Corrected Temp: | CF:(0-6: -0.2°C)<br>(6-23: +0.2°C) |       |   |   |           | Semivolatiles  |                  |                 | Analyze For:   |                |                      | -                   | =                             | om                          | IALYSIS REQUEST<br>Phone: 432-563-1800<br>Fax: 432-563-1713   |
| ecei                      | )<br>)<br>taint<br>taint<br>ler(s<br>ed<br>Rep.<br>PS   | tact?  | Te              | +0.2                               | 0T    |   |   | ×         | BTEX 8021B/5030 or BTEX  | 8260             |                 | 97   |                |                      | ea C                | RC                            | pres                        | 2-56<br>2-56  |
| ot                        | ?<br>?<br>DHL   |  | mp              | 200                                |       |   |   |           | RCI  |                  |                 |  | TRRP           |                      | oun                 | #: 2                          | sor                         | S REQUEST<br>432-563-1800<br>432-563-1713   |
|                           | Ê   | F  |                 | 00                                 |       |   |   |           | N.O.R.M.   |                  |                 |  | RP             |                      | Lea County, NM      | TRC #: 273818                 | Sta                         | ST<br>800<br>713  |
|                           | Fec   | F  | -               |                                    |       |   |   | ×         | Chlorides E 300.1  |                  |                 |  |                |                      | M                   | 318                           | A14 Compressor Station Sump |   |
|                           | Y<br>Y<br>FedEx   | ~ [  | 6               | IN IU:H-8                          |       |   |   |           |  |                  |                 |  |                |                      |                     |                               | n St                        |   |
|                           | 5   | F  |                 | C<br>T                             | ίΓ    |   |   |           |  |                  |                 |  | NPDES          |                      |                     |                               | duir                        |   |
| °C                        | N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N   | z  |                 | à                                  |       |   |   | - 14      | RUSH TAT (Pre-Schedule)  | 24, 48,          | 72 hrs          |  | DES            |                      |                     |                               |                             |   |
|                           | ar  | T I  |                 |                                    |       |   |   | ×         | Standard 3-Day TAT   |                  |                 |  | - 22           | 1                    |                     |                               |                             |   |

Final 1.001



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



Client: TRC Solutions, Inc Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 05/24/2017 04:10:00 PM Temperature Measuring device used : r8 Work Order #: 553893 Comments Sample Receipt Checklist 1.6 #1 \*Temperature of cooler(s)? #2 \*Shipping container in good condition? Yes #3 \*Samples received on ice? Yes #4 \*Custody Seal present on shipping container/ cooler? N/A #5 \*Custody Seals intact on shipping container/ cooler? N/A #6 Custody Seals intact on sample bottles? N/A #7 \*Custody Seals Signed and dated? N/A #8 \*Chain of Custody present? Yes #9 Sample instructions complete on Chain of Custody? Yes #10 Any missing/extra samples? No #11 Chain of Custody signed when relinguished/ received? Yes #12 Chain of Custody agrees with sample label(s)? Yes #13 Container label(s) legible and intact? Yes #14 Sample matrix/ properties agree with Chain of Custody? Yes #15 Samples in proper container/ bottle? Yes Yes #16 Samples properly preserved? #17 Sample container(s) intact? Yes #18 Sufficient sample amount for indicated test(s)? Yes #19 All samples received within hold time? Yes #20 Subcontract of sample(s)? N/A #21 VOC samples have zero headspace? N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Martza Anaya Marithza Anaya

Date: 05/24/2017

Checklist reviewed by:

Holly Taylor

Date: 05/26/2017



Project Id:Contact:Nikki GreenProject Location:Lea County, NM



TRC Solutions, Inc, Midland, TX Project Name: A-14 Sump



Date Received in Lab:Wed Jun-21-17 08:40 amReport Date:26-JUN-17Project Manager:Kelsey Brooks

|                             | Lab Id:    | 555846-0    | 001     | 555846-0    | 002     | 555846-0    | 003     |  |  |
|-----------------------------|------------|-------------|---------|-------------|---------|-------------|---------|--|--|
| Anglusia Degregated         | Field Id:  | BH-6 6      | 5"      | BH-7 6      | 5"      | BH-2 6      | "       |  |  |
| Analysis Requested          | Depth:     | 6- In       |         | 6- In       |         | 6- In       |         |  |  |
|                             | Matrix:    | SOIL        | ,       | SOIL        |         | SOIL        |         |  |  |
|                             | Sampled:   | Jun-15-17   | 16:00   | Jun-15-17   | 16:10   | Jun-16-17 1 | 11:00   |  |  |
| BTEX by EPA 8021B           | Extracted: | Jun-24-17   | 11:30   | Jun-24-17   | 11:30   | Jun-24-17 1 | 1:30    |  |  |
|                             | Analyzed:  | Jun-25-17 ( | 05:48   | Jun-25-17 ( | 06:04   | Jun-25-17 ( | 06:20   |  |  |
|                             | Units/RL:  | mg/kg       | RL      | mg/kg       | RL      | mg/kg       | RL      |  |  |
| Benzene                     |            | < 0.00201   | 0.00201 | < 0.00200   | 0.00200 | < 0.00198   | 0.00198 |  |  |
| Toluene                     |            | < 0.00201   | 0.00201 | < 0.00200   | 0.00200 | < 0.00198   | 0.00198 |  |  |
| Ethylbenzene                |            | < 0.00201   | 0.00201 | < 0.00200   | 0.00200 | < 0.00198   | 0.00198 |  |  |
| m,p-Xylenes                 |            | < 0.00402   | 0.00402 | < 0.00399   | 0.00399 | < 0.00397   | 0.00397 |  |  |
| o-Xylene                    |            | < 0.00201   | 0.00201 | < 0.00200   | 0.00200 | < 0.00198   | 0.00198 |  |  |
| Total Xylenes               |            | < 0.00201   | 0.00201 | < 0.00200   | 0.00200 | < 0.00198   | 0.00198 |  |  |
| Total BTEX                  |            | < 0.00201   | 0.00201 | < 0.00200   | 0.00200 | < 0.00198   | 0.00198 |  |  |
| Chloride by EPA 300         | Extracted: | Jun-26-17   | 10:05   | Jun-26-17   | 10:05   | Jun-26-17 1 | 0:05    |  |  |
|                             | Analyzed:  | Jun-26-17   | 12:20   | Jun-26-17   | 12:28   | Jun-26-17 1 | 2:51    |  |  |
|                             | Units/RL:  | mg/kg       | RL      | mg/kg       | RL      | mg/kg       | RL      |  |  |
| Chloride                    |            | 8.45        | 4.96    | 5.85        | 4.93    | 32.4        | 4.99    |  |  |
| TPH by SW8015 Mod           | Extracted: | Jun-24-17   | 16:00   | Jun-24-17   | 16:00   | Jun-24-17 1 | 6:00    |  |  |
|                             | Analyzed:  | Jun-25-17 ( | 05:08   | Jun-25-17 ( | 05:29   | Jun-25-17 ( | )6:33   |  |  |
|                             | Units/RL:  | mg/kg       | RL      | mg/kg       | RL      | mg/kg       | RL      |  |  |
| Gasoline Range Hydrocarbons | ·          | <15.0       | 15.0    | <15.0       | 15.0    | <15.0       | 15.0    |  |  |
| Diesel Range Organics       |            | 97.1        | 15.0    | 109         | 15.0    | <15.0       | 15.0    |  |  |
| Oil Range Hydrocarbons      |            | 63.2        | 15.0    | 122         | 15.0    | <15.0       | 15.0    |  |  |
| Total TPH                   |            | 160         | 15.0    | 231         | 15.0    | <15.0       | 15.0    |  |  |

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

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

Huns Boah

Kelsey Brooks Project Manager

# Analytical Report 555846

for TRC Solutions, Inc

Project Manager: Nikki Green

A-14 Sump

#### 26-JUN-17

Collected By: Client





#### 1211 W. Florida Ave, Midland TX 79701

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

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400) Xenco-San Antonio: Texas (T104704534) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



26-JUN-17



Project Manager: **Nikki Green TRC Solutions, Inc** 2057 Commerce Midland, TX 79703

Reference: XENCO Report No(s): **555846** A-14 Sump Project Address: Lea County, NM

#### Nikki Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 555846. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 555846 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,

Huns hoah

Kelsey Brooks Project Manager

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

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



# Sample Cross Reference 555846



### TRC Solutions, Inc, Midland, TX

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|----------------|--------------|---------------|
| BH-6 6"   | S      | 06-15-17 16:00 | 6 In         | 555846-001    |
| BH-7 6"   | S      | 06-15-17 16:10 | 6 In         | 555846-002    |
| BH-2 6"   | S      | 06-16-17 11:00 | 6 In         | 555846-003    |



Client Name: TRC Solutions, Inc Project Name: A-14 Sump

Project ID: Work Order Number(s): 555846 
 Report Date:
 26-JUN-17

 Date Received:
 06/21/2017

#### Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments: Batch: LBA-3020665 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.





# TRC Solutions, Inc, Midland, TX

| Sample Id:   | BH-6 6''              |            | Matrix:     | Soil                 | ]     | Date Received:06.  | 21.17 08.40 | 0   |
|--------------|-----------------------|------------|-------------|----------------------|-------|--------------------|-------------|-----|
| Lab Sample I | ld: 555846-001        |            | Date Collec | cted: 06.15.17 16.00 | 2     | Sample Depth: 6 In | l           |     |
| Analytical M | ethod: Chloride by EP | A 300      |             |                      | ]     | Prep Method: E30   | 0P          |     |
| Tech:        | MGO                   |            |             |                      | 0     | % Moisture:        |             |     |
| Analyst:     | MGO                   |            | Date Prep:  | 06.26.17 10.05       | ]     | Basis: We          | t Weight    |     |
| Seq Number:  | 3020684               |            |             |                      |       |                    |             |     |
| Parameter    |                       | Cas Number | Result      | RL                   | Units | Analysis Date      | Flag        | Dil |
| Chloride     |                       | 16887-00-6 | 8.45        | 4.96                 | mg/kg | 06.26.17 12.20     |             | 1   |

| Analytical Method: TPH by SW8015 | 5 Mod      |            |               |          | P      | Prep Method: TX | 1005P    |     |
|----------------------------------|------------|------------|---------------|----------|--------|-----------------|----------|-----|
| Tech: ARM                        |            |            |               |          | 9      | 6 Moisture:     |          |     |
| Analyst: ARM                     |            | Date Prep  | p: 06.24      | 17 16.00 | E      | Basis: We       | t Weight |     |
| Seq Number: 3020771              |            |            |               |          |        |                 |          |     |
| Parameter                        | Cas Number | Result     | RL            |          | Units  | Analysis Date   | Flag     | Dil |
| Gasoline Range Hydrocarbons      | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.25.17 05.08  | U        | 1   |
| Diesel Range Organics            | C10C28DRO  | 97.1       | 15.0          |          | mg/kg  | 06.25.17 05.08  |          | 1   |
| Oil Range Hydrocarbons           | PHCG2835   | 63.2       | 15.0          |          | mg/kg  | 06.25.17 05.08  |          | 1   |
| Total TPH                        | PHC635     | 160        | 15.0          |          | mg/kg  | 06.25.17 05.08  |          | 1   |
| Surrogate                        |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date   | Flag     |     |
| 1-Chlorooctane                   |            | 111-85-3   | 109           | %        | 70-135 | 06.25.17 05.08  |          |     |
| o-Terphenyl                      |            | 84-15-1    | 104           | %        | 70-135 | 06.25.17 05.08  |          |     |





# TRC Solutions, Inc, Midland, TX

| Sample Id:         BH-6 6''           Lab Sample Id:         555846-001  | Matrix: Soil<br>Date Collected: 06.15.17 16.00 | Date Received:06.21.17 08.40<br>Sample Depth: 6 In       |
|--|--|--|
| Analytical Method:BTEX by EPA 8021BTech:ALJAnalyst:ALJSeq Number:3020665 | Date Prep: 06.24.17 11.30                      | Prep Method: SW5030B<br>% Moisture:<br>Basis: Wet Weight |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00201  | 0.00201       |       | mg/kg  | 06.25.17 05.48 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00201  | 0.00201       |       | mg/kg  | 06.25.17 05.48 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00201  | 0.00201       |       | mg/kg  | 06.25.17 05.48 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00402  | 0.00402       |       | mg/kg  | 06.25.17 05.48 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00201  | 0.00201       |       | mg/kg  | 06.25.17 05.48 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00201  | 0.00201       |       | mg/kg  | 06.25.17 05.48 | U    | 1   |
| Total BTEX           |             | < 0.00201  | 0.00201       |       | mg/kg  | 06.25.17 05.48 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 84            | %     | 80-120 | 06.25.17 05.48 |      |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 91            | %     | 80-120 | 06.25.17 05.48 |      |     |





# TRC Solutions, Inc, Midland, TX

| Sample Id: BH-7 6"                 |            | Matrix:    | Soil                 |       | Date Received:06 | 5.21.17 08.4 | 0   |
|------------------------------------|------------|------------|----------------------|-------|------------------|--------------|-----|
| Lab Sample Id: 555846-002          |            | Date Colle | cted: 06.15.17 16.10 |       | Sample Depth: 6  | In           |     |
| Analytical Method: Chloride by EPA | 300        |            |                      |       | Prep Method: E3  | 300P         |     |
| Tech: MGO                          |            |            |                      |       | % Moisture:      |              |     |
| Analyst: MGO                       |            | Date Prep: | 06.26.17 10.05       |       | Basis: W         | et Weight    |     |
| Seq Number: 3020684                |            |            |                      |       |                  |              |     |
| Parameter                          | Cas Number | Result     | RL                   | Units | Analysis Date    | Flag         | Dil |
| Chloride                           | 16887-00-6 | 5.85       | 4.93                 | mg/kg | 06.26.17 12.28   |              | 1   |

| Analytical Method: TPH by SW8<br>Tech: ARM<br>Analyst: ARM<br>Seq Number: 3020771 | Date Pre   | p: 06.24   | 17 16.00      | Prep Method: TX1005P<br>% Moisture:<br>Basis: Wet Weight |        |                |      |     |
|---|------------|------------|---------------|--|--------|----------------|------|-----|
| Parameter   | Cas Number | Result     | RL            |  | Units  | Analysis Date  | Flag | Dil |
| Gasoline Range Hydrocarbons   | PHC610     | <15.0      | 15.0          |  | mg/kg  | 06.25.17 05.29 | U    | 1   |
| Diesel Range Organics   | C10C28DRO  | 109        | 15.0          |  | mg/kg  | 06.25.17 05.29 |      | 1   |
| Oil Range Hydrocarbons  | PHCG2835   | 122        | 15.0          |  | mg/kg  | 06.25.17 05.29 |      | 1   |
| Total TPH   | PHC635     | 231        | 15.0          |  | mg/kg  | 06.25.17 05.29 |      | 1   |
| Surrogate   |            | Cas Number | %<br>Recovery | Units  | Limits | Analysis Date  | Flag |     |
| 1-Chlorooctane  | 1          | 11-85-3    | 110           | %  | 70-135 | 06.25.17 05.29 |      |     |
| o-Terphenyl   | 8          | 34-15-1    | 107           | %  | 70-135 | 06.25.17 05.29 |      |     |





# TRC Solutions, Inc, Midland, TX

| Sample Id:         BH-7 6''           Lab Sample Id:         555846-002 | Matrix: Soil<br>Date Collected: 06.15.17 16.10 | Date Received:06.21.17 08.40<br>Sample Depth: 6 In       |
|---|--|--|
| Analytical Method:BTEX by EPA 8021BTech:ALJAnalyst:ALJ                  | Date Prep: 06.24.17 11.30                      | Prep Method: SW5030B<br>% Moisture:<br>Basis: Wet Weight |
| Seq Number: 3020665   |  |  |

| Parameter            | Cas Number  | Result     | Result RL     |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00200  | 0.00200       |       | mg/kg  | 06.25.17 06.04 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00200  | 0.00200       |       | mg/kg  | 06.25.17 06.04 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00200  | 0.00200       |       | mg/kg  | 06.25.17 06.04 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00399  | 0.00399       |       | mg/kg  | 06.25.17 06.04 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00200  | 0.00200       |       | mg/kg  | 06.25.17 06.04 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00200  | 0.00200       |       | mg/kg  | 06.25.17 06.04 | U    | 1   |
| Total BTEX           |             | < 0.00200  | 0.00200       |       | mg/kg  | 06.25.17 06.04 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 89            | %     | 80-120 | 06.25.17 06.04 |      |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 88            | %     | 80-120 | 06.25.17 06.04 |      |     |





# TRC Solutions, Inc, Midland, TX

| Sample Id: BH-2 6"                              |            | Matrix:       | Soil              |       | Date Received               | 1:06.21.17 08.40 | )   |  |
|---|------------|---------------|-------------------|-------|-----------------------------|------------------|-----|--|
| Lab Sample Id: 555846-003                       |            | Date Collecte | d: 06.16.17 11.00 |       | Sample Depth: 6 In          |                  |     |  |
| Analytical Method: Chloride by EPA<br>Tech: MGO | 300        |               |                   |       | Prep Method:<br>% Moisture: | E300P            |     |  |
| Analyst: MGO                                    |            | Date Prep:    | 06.26.17 10.05    |       | Basis:                      | Wet Weight       |     |  |
| Seq Number: 3020684                             |            |               |                   |       |                             |                  |     |  |
| Parameter                                       | Cas Number | Result F      | RL                | Units | Analysis D                  | ate Flag         | Dil |  |

| Chloride | 16887-00-6 | 32.4 | 4.99 | mg/kg | 06.26.17 12.51 | 1 |
|----------|------------|------|------|-------|----------------|---|
|          |            |      |      |       |                |   |

| Analytical Method: TPH by SW8015 | 5 Mod      |            |               |          | F      | Prep Method: TX | 1005P      |     |  |  |
|----------------------------------|------------|------------|---------------|----------|--------|-----------------|------------|-----|--|--|
| Tech: ARM                        |            |            |               |          | 9      | 6 Moisture:     |            |     |  |  |
| Analyst: ARM                     |            | Date Pre   | p: 06.24.     | 17 16.00 | E      | Basis: We       | Wet Weight |     |  |  |
| Seq Number: 3020771              |            |            |               |          |        |                 |            |     |  |  |
| Parameter                        | Cas Number | Result     | RL            |          | Units  | Analysis Date   | Flag       | Dil |  |  |
| Gasoline Range Hydrocarbons      | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.25.17 06.33  | U          | 1   |  |  |
| Diesel Range Organics            | C10C28DRO  | <15.0      | 15.0          |          | mg/kg  | 06.25.17 06.33  | U          | 1   |  |  |
| Oil Range Hydrocarbons           | PHCG2835   | <15.0      | 15.0          |          | mg/kg  | 06.25.17 06.33  | U          | 1   |  |  |
| Total TPH                        | PHC635     | <15.0      | 15.0          |          | mg/kg  | 06.25.17 06.33  | U          | 1   |  |  |
| Surrogate                        |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date   | Flag       |     |  |  |
| 1-Chlorooctane                   |            | 111-85-3   | 108           | %        | 70-135 | 06.25.17 06.33  |            |     |  |  |
| o-Terphenyl                      |            | 84-15-1    | 106           | %        | 70-135 | 06.25.17 06.33  |            |     |  |  |





# TRC Solutions, Inc, Midland, TX

| Sample Id:         BH-2 6''           Lab Sample Id:         555846-003  | Matrix: Soil<br>Date Collected: 06.16.17 11.00 | Date Received:06.21.17 08.40<br>Sample Depth: 6 In       |
|--|--|--|
| Analytical Method:BTEX by EPA 8021BTech:ALJAnalyst:ALJSeq Number:3020665 | Date Prep: 06.24.17 11.30                      | Prep Method: SW5030B<br>% Moisture:<br>Basis: Wet Weight |

| Parameter            | Cas Number  | Result     | Result RL     |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00198  | 0.00198       |       | mg/kg  | 06.25.17 06.20 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00198  | 0.00198       |       | mg/kg  | 06.25.17 06.20 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00198  | 0.00198       |       | mg/kg  | 06.25.17 06.20 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00397  | 0.00397       |       | mg/kg  | 06.25.17 06.20 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00198  | 0.00198       |       | mg/kg  | 06.25.17 06.20 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00198  | 0.00198       |       | mg/kg  | 06.25.17 06.20 | U    | 1   |
| Total BTEX           |             | < 0.00198  | 0.00198       |       | mg/kg  | 06.25.17 06.20 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 84            | %     | 80-120 | 06.25.17 06.20 |      |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 87            | %     | 80-120 | 06.25.17 06.20 |      |     |



# **Flagging Criteria**



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

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

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

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| 2525 W. Huntington Dr Suite 102, Tempe AZ 85282 | (602) 437-0330 |                |
|   |                |                |



# QC Summary 555846

### **TRC Solutions, Inc**

| Analytical Method: | Chloride by EPA 30 | )0              |               |             |                  |                              |        | Pr   | ep Metho     | od: E30          | 0P               |      |
|--------------------|--------------------|-----------------|---------------|-------------|------------------|------------------------------|--------|------|--------------|------------------|------------------|------|
| Seq Number:        | 3020684            |                 |               | Matrix:     | Solid Date Prep: |                              |        |      | ep: 06.2     | 06.26.17         |                  |      |
| MB Sample Id:      | 726721-1-BLK       |                 | LCS Sar       | nple Id:    | 726721-1-        | 726721-1-BKS LCSD Sample Id: |        |      | e Id: 726'   | Id: 726721-1-BSD |                  |      |
| Parameter          | MB<br>Result       | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result   | LCSD<br>%Rec                 | Limits | %RPD | RPD<br>Limit | Units            | Analysis<br>Date | Flag |
| Chloride           | < 5.00             | 250             | 247           | 99          | 248              | 99                           | 90-110 | 0    | 20           | mg/kg            | 06.26.17 10:21   |      |

| Analytical Method: | Chloride by EPA 30 | )0                                       |              |            |               |                 |            | Pr   | ep Metho     | d: E30   | )P               |      |  |
|--------------------|--------------------|--|--------------|------------|---------------|-----------------|------------|------|--------------|----------|------------------|------|--|
| Seq Number:        | 3020684 M          |  |              | Matrix:    | Soil          | Soil Date Prep: |            |      |              | ep: 06.2 | 06.26.17         |      |  |
| Parent Sample Id:  | 555846-002         | MS Sample Id: 555846-002 S MSD Sample Id |              |            |               | Id: 5558        | 346-002 SD |      |              |          |                  |      |  |
| Parameter          | Parent<br>Result   | Spike<br>Amount                          | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec     | Limits     | %RPD | RPD<br>Limit | Units    | Analysis<br>Date | Flag |  |
| Chloride           | 5.85               | 247                                      | 245          | 97         | 244           | 96              | 90-110     | 0    | 20           | mg/kg    | 06.26.17 12:36   |      |  |

| Analytical Method: | Chloride by EPA 300 |                 |                            |            |               |             |                              | Pr   | ep Metho     | d: E30 | E300P            |      |
|--------------------|---------------------|-----------------|----------------------------|------------|---------------|-------------|------------------------------|------|--------------|--------|------------------|------|
| Seq Number:        | 3020684             | Matrix: Soil    |                            |            |               |             | Date Prep: 06.26.17          |      |              |        |                  |      |
| Parent Sample Id:  | 556064-003          | MS Sar          | MS Sample Id: 556064-003 S |            |               |             | MSD Sample Id: 556064-003 SD |      |              |        |                  |      |
| Parameter          | Parent<br>Result    | Spike<br>Amount | MS<br>Result               | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits                       | %RPD | RPD<br>Limit | Units  | Analysis<br>Date | Flag |
| Chloride           | 16.6                | 246             | 261                        | 99         | 259           | 99          | 90-110                       | 1    | 20           | mg/kg  | 06.26.17 10:49   |      |

| Analytical Method: TPH by SW8015 Mod |                   |                 |               |               |                |              | Prep Method: TX1005P         |                     |              |       |                  |      |  |
|--------------------------------------|-------------------|-----------------|---------------|---------------|----------------|--------------|------------------------------|---------------------|--------------|-------|------------------|------|--|
| Seq Number:                          | q Number: 3020771 |                 |               | Matrix: Solid |                |              |                              | Date Prep: 06.24.17 |              |       |                  |      |  |
| MB Sample Id:                        | 726685-1-BLK      | LCS Sar         | nple Id:      | 726685-1-BKS  |                |              | LCSD Sample Id: 726685-1-BSD |                     |              |       |                  |      |  |
| Parameter                            | MB<br>Result      | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec   | LCSD<br>Result | LCSD<br>%Rec | Limits                       | %RPD                | RPD<br>Limit | Units | Analysis<br>Date | Flag |  |
| Gasoline Range Hydroc                | arbons <15.0      | 1000            | 992           | 99            | 1020           | 102          | 70-135                       | 3                   | 35           | mg/kg | 06.25.17 00:55   |      |  |
| Diesel Range Organics                | <15.0             | 1000            | 1010          | 101           | 979            | 98           | 70-135                       | 3                   | 35           | mg/kg | 06.25.17 00:55   |      |  |
| Surrogate                            | MB<br>%Rec        | MB<br>Flag      | LCS<br>%Rec   |               | LCS<br>Flag    | LCSI<br>%Re  |                              |                     |              |       | Analysis<br>Date |      |  |
| 1-Chlorooctane                       | 113               |                 | 1             | 08            |                | 114          |                              | 70                  | )-135        | %     | 06.25.17 00:55   |      |  |
| o-Terphenyl                          | 122               |                 | 1             | 00            |                | 107          |                              | 70                  | )-135        | %     | 06.25.17 00:55   |      |  |



# QC Summary 555846

## **TRC Solutions, Inc**

A-14 Sump

| 1                           | 3020771 Matrix: Soil Date Prep: 06.24.17 |                 |              |            |               |             |        | 4.17 |              |       |                  |      |
|-----------------------------|--|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|-------|------------------|------|
| Parameter                   | Parent<br>Result                         | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units | Analysis<br>Date | Flag |
| Gasoline Range Hydrocarbons | <15.0                                    | 997             | 1060         | 106        | 974           | 98          | 70-135 | 8    | 35           | mg/kg | 06.25.17 01:58   |      |
| Diesel Range Organics       | <15.0                                    | 997             | 998          | 100        | 987           | 99          | 70-135 | 1    | 35           | mg/kg | 06.25.17 01:58   |      |
| Surrogate                   |  |                 |              | 1S<br>Rec  | MS<br>Flag    | MSD<br>%Ree |        |      | mits         | Units | Analysis<br>Date |      |
| 1-Chlorooctane              |  |                 | 1            | 07         |               | 100         |        | 70   | -135         | %     | 06.25.17 01:58   |      |
| o-Terphenyl                 |  |                 | 1            | 01         |               | 98          |        | 70   | -135         | %     | 06.25.17 01:58   |      |

| <b>Analytical Method:</b><br>Seq Number:<br>MB Sample Id: | <b>BTEX by EPA 802</b><br>3020665<br>726706-1-BLK | lB              |               | Matrix:<br>nple Id: | Solid<br>726706-1 | -BKS         |        |      | rep Meth<br>Date Pr<br>D Sample | ep: 06.2 | 5030B<br>4.17<br>706-1-BSD |      |
|---|---|-----------------|---------------|---------------------|-------------------|--------------|--------|------|---------------------------------|----------|----------------------------|------|
| Parameter   | MB<br>Result                                      | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec         | LCSD<br>Result    | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit                    | Units    | Analysis<br>Date           | Flag |
| Benzene   | < 0.00200   | 0.100           | 0.107         | 107                 | 0.0950            | 96           | 70-130 | 12   | 35                              | mg/kg    | 06.25.17 03:55             |      |
| Toluene   | < 0.00200   | 0.100           | 0.101         | 101                 | 0.0876            | 88           | 70-130 | 14   | 35                              | mg/kg    | 06.25.17 03:55             |      |
| Ethylbenzene  | < 0.00200   | 0.100           | 0.111         | 111                 | 0.0966            | 97           | 71-129 | 14   | 35                              | mg/kg    | 06.25.17 03:55             |      |
| m,p-Xylenes   | < 0.00401   | 0.200           | 0.200         | 100                 | 0.173             | 87           | 70-135 | 14   | 35                              | mg/kg    | 06.25.17 03:55             |      |
| o-Xylene  | < 0.00200   | 0.100           | 0.106         | 106                 | 0.0914            | 92           | 71-133 | 15   | 35                              | mg/kg    | 06.25.17 03:55             |      |
| Surrogate   | MB<br>%Rec  | MB<br>Flag      |               |                     | LCS<br>Flag       | LCSI<br>%Re  |        |      | imits                           | Units    | Analysis<br>Date           |      |
| 1,4-Difluorobenzene                                       | 99  |                 | ç             | <del>9</del> 0      |                   | 93           |        | 80   | )-120                           | %        | 06.25.17 03:55             |      |
| 4-Bromofluorobenzene                                      | 98  |                 | 9             | 93                  |                   | 92           |        | 80   | )-120                           | %        | 06.25.17 03:55             |      |

| <b>Analytical Method:</b><br>Seq Number:<br>Parent Sample Id: |                  |                 |              | Matrix: Soil<br>MS Sample Id: 556138-002 S |               |             |        | P:<br>MS |              |       |                  |      |
|---|------------------|-----------------|--------------|--|---------------|-------------|--------|----------|--------------|-------|------------------|------|
| Parameter   | Parent<br>Result | Spike<br>Amount | MS<br>Result | MS<br>%Rec                                 | MSD<br>Result | MSD<br>%Rec | Limits | %RPD     | RPD<br>Limit | Units | Analysis<br>Date | Flag |
| Benzene   | < 0.00200        | 0.100           | 0.0785       | 79   | 0.0898        | 90          | 70-130 | 13       | 35           | mg/kg | 06.25.17 04:27   |      |
| Toluene   | < 0.00200        | 0.100           | 0.0785       | 79   | 0.0795        | 80          | 70-130 | 1        | 35           | mg/kg | 06.25.17 04:27   |      |
| Ethylbenzene  | < 0.00200        | 0.100           | 0.0770       | 77   | 0.0764        | 76          | 71-129 | 1        | 35           | mg/kg | 06.25.17 04:27   |      |
| m,p-Xylenes   | 0.00688          | 0.200           | 0.144        | 69   | 0.135         | 64          | 70-135 | 6        | 35           | mg/kg | 06.25.17 04:27   | Х    |
| o-Xylene  | < 0.00200        | 0.100           | 0.0771       | 77   | 0.0762        | 76          | 71-133 | 1        | 35           | mg/kg | 06.25.17 04:27   |      |
| Surrogate   |                  |                 | M<br>%I      |  | MS<br>Flag    | MSD<br>%Ree |        |          | imits        | Units | Analysis<br>Date |      |
| 1,4-Difluorobenzene   |                  |                 | 11           | 12   |               | 112         |        | 80       | )-120        | %     | 06.25.17 04:27   |      |
| 4-Bromofluorobenzene  |                  |                 | 11           | 16   |               | 112         |        | 80       | )-120        | %     | 06.25.17 04:27   |      |

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|---------------------------------|--|
|                                 |  |

# CHAIN OF CUSTODY

Page 1 Of 1

Notice: Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subconfactors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms we be enforced unless previously negoliated under a fully executed client contract. 2057 Commerce Drive Midland, TX 79703 Email: Company Name / Branch: TRC Environmental Corporation Samplers's Name Nikki Green Project Contact: Company Address: ose.slade@energytransfer.con Relinquished by Sa Same Day TAT Relinquished by: ngreen@trcsolutions.com Dallas Texas (214-902-0300) Relinquished by: TAT Starts Day received by Lab, if received by 5:00 pm **3 Day EMERGENCY** BH-6 6" 2 Day EMERGENCY Next Day EMERGENCY BH-2 6" BH-7 6" **Client / Reporting Information** Ş Turnaround Time ( Business days) Field ID / Point of Colly Contract TAT 1 7 Day TAT 5 Day TAT Phone No: SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY 5 Date Time: PO Number: **Date Time** Date Time: Sample op I o, on A-14 Sump Project Location: Lea County, NM San Antonio, Texas (210-509-3334) Rose Slade, ETC Field Services, San Antonio nvoice To: Project Name/Number: Midland, Texas (432-704-5251) 1 Collection 6/16/2017 6/15/2017 6/15/2017 Date Š TRRP Checklist **Received By: Received By** Received By: 1100 1610 1600 Time **Project Information** Level 3 (CLP Forms) Level III Std QC+ Forms Level II Std QC Matrix Ś S \$ www.xenco.com **Data Deliverable Information** glass 1-4oz glass 1- 4oz glass # of bottles 1- 402 HCI NaOH/Zn Nu Acetate HNO3 of preserved bottles Relinquished By: Custody Seal # **Relinquished By:** UST / RG -411 TRRP Level IV Level IV (Full Data Pkg /raw data) 12504 NaOH NaHSO4 MEOH ICE × × × Xenco Quote # Phoenix, Arizona (480-355-0900) TPH by Method 8015M × × × Preserved where applicable BTEX by Method 2081B × × × Date Time: Date Time: Chloride by EPA 300.1 × × × Analytical Information FED-EX / UPS: Tracki Notes: INVOICE TO ETC Xenco Job # Received Received Onlee Temp: 3. 7 CF:(0-6: -0.2°C) Corrected Temp: 222 840 (6-23: +0.2°C) Cooler Temp. Field Comments WI = Wipe O = Oil SL = Sludge OW =Ocean/Sea Water P = Product DW = Drinking Water W = Water S = Soil/Sed/Solid WW= Waste Water SW = Surface water GW =Ground Water Thermo, Corr. Factor A = Air Matrix Codes S IR ID:R-8 in

5 9 8 1 0 (J) 4 ω N No.

will

Final 1.000



# **XENCO Laboratories**



Prelogin/Nonconformance Report- Sample Log-In

| Client: TRC Solutions, Inc                                 | Acceptable Temperature Range: 0 - 6 degC        |
|--|---|
| Date/ Time Received: 06/21/2017 08:40:00 AM                | Air and Metal samples Acceptable Range: Ambient |
| Work Order #: 555846                                       | Temperature Measuring device used : r8          |
| Sample Recei   | ot Checklist Comments                           |
| #1 *Temperature of cooler(s)?                              | 3.5   |
| #2 *Shipping container in good condition?                  | Yes   |
| #3 *Samples received on ice?                               | Yes   |
| #4 *Custody Seal present on shipping container/ cooler?    | N/A   |
| #5 *Custody Seals intact on shipping container/ cooler?    | N/A   |
| #6 Custody Seals intact on sample bottles?                 | N/A   |
| #7 *Custody Seals Signed and dated?                        | N/A   |
| #8 *Chain of Custody present?                              | Yes   |
| #9 Sample instructions complete on Chain of Custody?       | Yes   |
| #10 Any missing/extra samples?                             | No  |
| #11 Chain of Custody signed when relinquished/ received?   | Yes   |
| #12 Chain of Custody agrees with sample label(s)?          | Yes   |
| #13 Container label(s) legible and intact?                 | Yes   |
| #14 Sample matrix/ properties agree with Chain of Custody? | Yes   |
| #15 Samples in proper container/ bottle?                   | Yes   |
| #16 Samples properly preserved?                            | Yes   |
| #17 Sample container(s) intact?                            | Yes   |
| #18 Sufficient sample amount for indicated test(s)?        | Yes   |
| #19 All samples received within hold time?                 | Yes   |
| #20 Subcontract of sample(s)?                              | N/A   |
| #21 VOC samples have zero headspace?                       | N/A   |

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

Analyst:

PH Device/Lot#:

Checklist completed by: Marithza Anaya

Date: 06/21/2017

Checklist reviewed by: Mms Moah Kelsey Brooks

Date: 06/21/2017



Project Id:Contact:Nikki GreenProject Location:Lea County, NM

Certificate of Analysis Summary 556209

TRC Solutions, Inc, Midland, TX

Project Name: A-14 Compressor Station Sump



Date Received in Lab:Fri Jun-23-17 03:33 pmReport Date:28-JUN-17Project Manager:Kelsey Brooks

|                             | Lab Id:    | 556209-   | 001             | 556209-0        | 002                             | 556209-0        | 003     | 556209-         | 004     | 556209-         | 005     | 556209-0        | 006     |
|-----------------------------|------------|-----------|-----------------|-----------------|---------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
|                             | Field Id:  | BH-3      | 2'              | ESW-1           | 1'                              | WSW-1           | 1'      | BH-5 6"         |         | BH-4            | 2'      | NSW-1           | 1'      |
| Analysis Requested          | Depth:     | 2- ft     |                 | 1- ft           |                                 | 1- ft           |         | 6- In           |         | 2- ft           |         | 1- ft           |         |
|                             | Matrix:    | SOIL      |                 | SOIL            |                                 | SOIL            |         | SOIL            |         | SOIL            |         | SOIL            | ,       |
|                             | Sampled:   | Jun-19-17 | Jun-19-17 16:00 |                 | 16:15                           | Jun-19-17 16:17 |         | Jun-19-17 16:30 |         | Jun-20-17 10:00 |         | Jun-20-17       | 10:05   |
| BTEX by EPA 8021B           | Extracted: | Jun-27-17 | Jun-27-17 15:00 |                 | Jun-27-17 15:00 Jun-27-17 15:00 |                 | 15:00   | Jun-27-17 15:00 |         | Jun-27-17 15:00 |         | Jun-27-17       | 15:00   |
|                             | Analyzed:  | Jun-27-17 | 21:53           | Jun-27-17       | 22:09                           | Jun-27-17       | 22:25   | Jun-27-17       | 22:42   | Jun-27-17       | 22:58   | Jun-27-17       | 23:14   |
|                             | Units/RL:  | mg/kg     | RL              | mg/kg           | RL                              | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      |
| Benzene                     |            | < 0.00201 | 0.00201         | < 0.00200       | 0.00200                         | < 0.00200       | 0.00200 | < 0.00201       | 0.00201 | < 0.00199       | 0.00199 | < 0.00199       | 0.00199 |
| Toluene                     |            | < 0.00201 | 0.00201         | < 0.00200       | 0.00200                         | < 0.00200       | 0.00200 | < 0.00201       | 0.00201 | < 0.00199       | 0.00199 | < 0.00199       | 0.00199 |
| Ethylbenzene                |            | < 0.00201 | 0.00201         | < 0.00200       | 0.00200                         | < 0.00200       | 0.00200 | < 0.00201       | 0.00201 | < 0.00199       | 0.00199 | < 0.00199       | 0.00199 |
| m,p-Xylenes                 |            | < 0.00402 | 0.00402         | < 0.00399       | 0.00399                         | < 0.00400       | 0.00400 | < 0.00402       | 0.00402 | < 0.00398       | 0.00398 | < 0.00398       | 0.00398 |
| o-Xylene                    |            | < 0.00201 | 0.00201         | < 0.00200       | 0.00200                         | < 0.00200       | 0.00200 | < 0.00201       | 0.00201 | < 0.00199       | 0.00199 | < 0.00199       | 0.00199 |
| Total Xylenes               |            | < 0.00201 | 0.00201         | < 0.00200       | 0.00200                         | < 0.00200       | 0.00200 | < 0.00201       | 0.00201 | < 0.00199       | 0.00199 | < 0.00199       | 0.00199 |
| Total BTEX                  |            | < 0.00201 | 0.00201         | < 0.00200       | 0.00200                         | < 0.00200       | 0.00200 | < 0.00201       | 0.00201 | < 0.00199       | 0.00199 | < 0.00199       | 0.00199 |
| Chloride by EPA 300         | Extracted: | Jun-27-17 | 13:50           | Jun-27-17 13:50 |                                 | Jun-27-17 13:50 |         | Jun-27-17 13:50 |         | Jun-27-17 13:50 |         | Jun-27-17 13:50 |         |
|                             | Analyzed:  | Jun-27-17 | 22:47           | Jun-27-17       | 22:55                           | Jun-27-17       | 23:17   | Jun-27-17       | 23:25   | Jun-27-17       | 23:48   | Jun-27-17       | 23:55   |
|                             | Units/RL:  | mg/kg     | RL              | mg/kg           | RL                              | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      |
| Chloride                    |            | 48.9      | 4.96            | 36.3            | 4.99                            | 165             | 4.91    | 20.0            | 4.97    | 65.3            | 4.98    | 39.7            | 4.98    |
| TPH by SW8015 Mod           | Extracted: | Jun-26-17 | 07:00           | Jun-26-17       | 07:00                           | Jun-26-17       | 07:00   | Jun-26-17       | 07:00   | Jun-26-17       | 07:00   | Jun-26-17       | 07:00   |
|                             | Analyzed:  | Jun-26-17 | 11:36           | Jun-26-17       | 12:36                           | Jun-26-17       | 12:56   | Jun-26-17       | 13:16   | Jun-26-17       | 13:36   | Jun-26-17       | 13:56   |
|                             | Units/RL:  | mg/kg     | RL              | mg/kg           | RL                              | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      | mg/kg           | RL      |
| Gasoline Range Hydrocarbons |            | <15.0     | 15.0            | <15.0           | 15.0                            | <15.0           | 15.0    | <14.9           | 14.9    | <15.0           | 15.0    | <15.0           | 15.0    |
| Diesel Range Organics       |            | 53.3      | 15.0            | 25.8            | 15.0                            | 255             | 15.0    | <14.9           | 14.9    | <15.0           | 15.0    | <15.0           | 15.0    |
| Oil Range Hydrocarbons      |            | 64.7      | 15.0            | <15.0           | 15.0                            | 66.2            | 15.0    | <14.9           | 14.9    | <15.0           | 15.0    | <15.0           | 15.0    |
| Total TPH                   |            | 118       | 15.0            | 25.8            | 15.0                            | 321             | 15.0    | <14.9           | 14.9    | <15.0           | 15.0    | <15.0           | 15.0    |

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

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Kelsey Brooks Project Manager

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Project Id:Contact:Nikki GreenProject Location:Lea County, NM

Certificate of Analysis Summary 556209

TRC Solutions, Inc, Midland, TX

Project Name: A-14 Compressor Station Sump



Date Received in Lab:Fri Jun-23-17 03:33 pmReport Date:28-JUN-17Project Manager:Kelsey Brooks

|                             | Lab Id:    | 556209-0  | 007     | 556209-0  | 008     | 556209-0    | )09     | 556209-   | 010     |  |  |
|-----------------------------|------------|-----------|---------|-----------|---------|-------------|---------|-----------|---------|--|--|
| Ameluaia Doguostad          | Field Id:  | ESW-2     | 1'      | SSW-1     | 1'      | NSW-2       | 1'      | WSW-2     | 2 1'    |  |  |
| Analysis Requested          | Depth:     | 1- ft     |         | 1- ft     |         | 1- ft       |         | 1- ft     |         |  |  |
|                             | Matrix:    | SOIL      | ,       | SOIL      |         | SOIL        |         | SOIL      |         |  |  |
|                             | Sampled:   | Jun-20-17 | 10:10   | Jun-20-17 | 10:15   | Jun-20-17   | 11:00   | Jun-20-17 | 11:15   |  |  |
| BTEX by EPA 8021B           | Extracted: | Jun-27-17 | 15:00   | Jun-27-17 | 15:00   | Jun-27-17   | 15:00   | Jun-27-17 | 15:00   |  |  |
|                             | Analyzed:  | Jun-27-17 | 23:30   | Jun-27-17 | 23:46   | Jun-28-17 ( | 00:02   | Jun-28-17 | 00:18   |  |  |
|                             | Units/RL:  | mg/kg     | RL      | mg/kg     | RL      | mg/kg       | RL      | mg/kg     | RL      |  |  |
| Benzene                     |            | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00202   | 0.00202 | < 0.00201 | 0.00201 |  |  |
| Toluene                     |            | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00202   | 0.00202 | < 0.00201 | 0.00201 |  |  |
| Ethylbenzene                |            | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00202   | 0.00202 | < 0.00201 | 0.00201 |  |  |
| m,p-Xylenes                 |            | < 0.00398 | 0.00398 | < 0.00399 | 0.00399 | < 0.00403   | 0.00403 | < 0.00402 | 0.00402 |  |  |
| o-Xylene                    |            | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00202   | 0.00202 | < 0.00201 | 0.00201 |  |  |
| Total Xylenes               |            | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00202   | 0.00202 | < 0.00201 | 0.00201 |  |  |
| Total BTEX                  |            | < 0.00199 | 0.00199 | < 0.00200 | 0.00200 | < 0.00202   | 0.00202 | < 0.00201 | 0.00201 |  |  |
| Chloride by EPA 300         | Extracted: | Jun-27-17 | 13:50   | Jun-27-17 | 13:50   | Jun-27-17   | 13:50   | Jun-27-17 | 13:50   |  |  |
|                             | Analyzed:  | Jun-28-17 | 00:03   | Jun-28-17 | 00:11   | Jun-28-17 ( | 00:18   | Jun-28-17 | 00:26   |  |  |
|                             | Units/RL:  | mg/kg     | RL      | mg/kg     | RL      | mg/kg       | RL      | mg/kg     | RL      |  |  |
| Chloride                    |            | 64.6      | 4.97    | 146       | 4.97    | 9.95        | 4.93    | 16.7      | 4.96    |  |  |
| TPH by SW8015 Mod           | Extracted: | Jun-26-17 | 07:00   | Jun-26-17 | 07:00   | Jun-26-17 ( | 07:00   | Jun-26-17 | 07:00   |  |  |
|                             | Analyzed:  | Jun-26-17 | 14:16   | Jun-26-17 | 14:36   | Jun-26-17   | 14:56   | Jun-26-17 | 15:16   |  |  |
|                             | Units/RL:  | mg/kg     | RL      | mg/kg     | RL      | mg/kg       | RL      | mg/kg     | RL      |  |  |
| Gasoline Range Hydrocarbons |            | <15.0     | 15.0    | <15.0     | 15.0    | <15.0       | 15.0    | <15.0     | 15.0    |  |  |
| Diesel Range Organics       |            | <15.0     | 15.0    | <15.0     | 15.0    | <15.0       | 15.0    | <15.0     | 15.0    |  |  |
| Oil Range Hydrocarbons      |            | <15.0     | 15.0    | <15.0     | 15.0    | <15.0       | 15.0    | <15.0     | 15.0    |  |  |
| Total TPH                   |            | <15.0     | 15.0    | <15.0     | 15.0    | <15.0       | 15.0    | <15.0     | 15.0    |  |  |

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

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Kelsey Brooks Project Manager

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# Analytical Report 556209

for TRC Solutions, Inc

Project Manager: Nikki Green

#### **A-14 Compressor Station Sump**

#### 28-JUN-17

Collected By: Client





#### 1211 W. Florida Ave, Midland TX 79701

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

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400) Xenco-San Antonio: Texas (T104704534) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



28-JUN-17



Project Manager: **Nikki Green TRC Solutions, Inc** 2057 Commerce Midland, TX 79703

Reference: XENCO Report No(s): **556209** A-14 Compressor Station Sump Project Address: Lea County, NM

#### Nikki Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 556209. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 556209 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,

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Kelsey Brooks Project Manager

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#### Sample Id

| BH-3 2'  |
|----------|
| ESW-1 1' |
| WSW-1 1' |
| BH-5 6"  |
| BH-4 2'  |
| NSW-1 1' |
| ESW-2 1' |
| SSW-1 1' |
| NSW-2 1' |
| WSW-2 1' |

# Sample Cross Reference 556209



| Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------|----------------|--------------|---------------|
| S      | 06-19-17 16:00 | 2 ft         | 556209-001    |
| S      | 06-19-17 16:15 | 1 ft         | 556209-002    |
| S      | 06-19-17 16:17 | 1 ft         | 556209-003    |
| S      | 06-19-17 16:30 | 6 In         | 556209-004    |
| S      | 06-20-17 10:00 | 2 ft         | 556209-005    |
| S      | 06-20-17 10:05 | 1 ft         | 556209-006    |
| S      | 06-20-17 10:10 | 1 ft         | 556209-007    |
| S      | 06-20-17 10:15 | 1 ft         | 556209-008    |
| S      | 06-20-17 11:00 | 1 ft         | 556209-009    |
| S      | 06-20-17 11:15 | 1 ft         | 556209-010    |





## CASE NARRATIVE

Client Name: TRC Solutions, Inc Project Name: A-14 Compressor Station Sump

Project ID: Work Order Number(s): 556209 
 Report Date:
 28-JUN-17

 Date Received:
 06/23/2017

#### Sample receipt non conformances and comments:

#### Sample receipt non conformances and comments per sample:

None

#### Analytical non conformances and comments:

Batch: LBA-3020931 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030. Lab Sample ID 556209-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Ethylbenzene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 556209-001, -002, -003, -004, -005, -006, -007, -008, -009, -010.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.





#### TRC Solutions, Inc, Midland, TX

| Sample Id:         BH-3 2'           Lab Sample Id:         556209-001 |            | Matrix:<br>Date Collecte | Soil<br>d: 06.19.17 16.00 |         | Received:06.2<br>ple Depth: 2 ft  | 3.17 15.33   |     |
|--|------------|--------------------------|---------------------------|---------|-----------------------------------|--------------|-----|
| Analytical Method:Chloride by EPATech:MGOAnalyst:MGOSeq Number:3020947 | 300        | Date Prep:               | 06.27.17 13.50            | 1       | Method: E30<br>oisture:<br>s: Wet | 0P<br>Weight |     |
| Parameter  | Cas Number | Result R                 | L                         | Units A | analysis Date                     | Flag         | Dil |

| 1 ar anicter | Cas Number | Result | KL   | Units | Analysis Date  | riag | DII |
|--------------|------------|--------|------|-------|----------------|------|-----|
| Chloride     | 16887-00-6 | 48.9   | 4.96 | mg/kg | 06.27.17 22.47 |      | 1   |

| Analytical Method: TPH by SW8 | 3015 Mod   |            |               |          | P      | rep Method: TX | 1005P  |     |
|-------------------------------|------------|------------|---------------|----------|--------|----------------|--------|-----|
| Tech: ARM                     |            |            |               |          | 9      | 6 Moisture:    |        |     |
| Analyst: ARM                  |            | Date Pre   | p: 06.26.     | 17 07.00 | E      | Basis: Wet     | Weight |     |
| Seq Number: 3021003           |            |            |               |          |        |                |        |     |
| Parameter                     | Cas Number | Result     | RL            |          | Units  | Analysis Date  | Flag   | Dil |
| Gasoline Range Hydrocarbons   | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 11.36 | U      | 1   |
| <b>Diesel Range Organics</b>  | C10C28DRO  | 53.3       | 15.0          |          | mg/kg  | 06.26.17 11.36 |        | 1   |
| Oil Range Hydrocarbons        | PHCG2835   | 64.7       | 15.0          |          | mg/kg  | 06.26.17 11.36 |        | 1   |
| Total TPH                     | PHC635     | 118        | 15.0          |          | mg/kg  | 06.26.17 11.36 |        | 1   |
| Surrogate                     |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date  | Flag   |     |
| 1-Chlorooctane                | 1          | 11-85-3    | 106           | %        | 70-135 | 06.26.17 11.36 |        |     |
| o-Terphenyl                   | 8          | 4-15-1     | 109           | %        | 70-135 | 06.26.17 11.36 |        |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:         BH-3 2'           Lab Sample Id:         556209-001 | Matrix: Soil<br>Date Collected: 06.19.17 16.00 | Date Received:06.23.17 15.33<br>Sample Depth: 2 ft |
|--|--|--|
| Analytical Method: BTEX by EPA 8021B<br>Tech: ALJ                      |  | Prep Method: SW5030B<br>% Moisture:                |
| Analyst:ALJSeq Number:3020931  | Date Prep: 06.27.17 15.00                      | Basis: Wet Weight                                  |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 21.53 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 21.53 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 21.53 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00402  | 0.00402       |       | mg/kg  | 06.27.17 21.53 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 21.53 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 21.53 | U    | 1   |
| Total BTEX           |             | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 21.53 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 103           | %     | 80-120 | 06.27.17 21.53 |      |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 115           | %     | 80-120 | 06.27.17 21.53 |      |     |





## TRC Solutions, Inc, Midland, TX

| Sample Id:         ESW-1 1'           Lab Sample Id:         556209-002 |            | Matrix:<br>Date Collecte | Soil<br>d: 06.19.17 16.15 | Date Rece<br>Sample D | eived:06.23.17 15.3<br>epth: 1 ft | 33  |
|---|------------|--------------------------|---------------------------|-----------------------|-----------------------------------|-----|
| Analytical Method: Chloride by EPA<br>Tech: MGO                         | 300        |                          |                           | Prep Metl<br>% Moistu | nod: E300P<br>re:                 |     |
| Analyst: MGO<br>Seg Number: 3020947                                     |            | Date Prep:               | 06.27.17 13.50            | Basis:                | Wet Weight                        |     |
| Parameter   | Cas Number | Result F                 | L                         | Units Analys          | sis Date Flag                     | Dil |

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 36.3   | 4.99 | mg/kg | 06.27.17 22.55 |      | 1   |

| Analytical Method: TPH by SW8015 | 5 Mod      |            |               |          | F      | Prep Method: TX | 1005P    |     |
|----------------------------------|------------|------------|---------------|----------|--------|-----------------|----------|-----|
| Tech: ARM                        |            |            |               |          | 9      | 6 Moisture:     |          |     |
| Analyst: ARM                     |            | Date Prep  | p: 06.26.     | 17 07.00 | E      | Basis: We       | t Weight |     |
| Seq Number: 3021003              |            |            |               |          |        |                 |          |     |
| Parameter                        | Cas Number | Result     | RL            |          | Units  | Analysis Date   | Flag     | Dil |
| Gasoline Range Hydrocarbons      | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 12.36  | U        | 1   |
| Diesel Range Organics            | C10C28DRO  | 25.8       | 15.0          |          | mg/kg  | 06.26.17 12.36  |          | 1   |
| Oil Range Hydrocarbons           | PHCG2835   | <15.0      | 15.0          |          | mg/kg  | 06.26.17 12.36  | U        | 1   |
| Total TPH                        | PHC635     | 25.8       | 15.0          |          | mg/kg  | 06.26.17 12.36  |          | 1   |
| Surrogate                        |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date   | Flag     |     |
| 1-Chlorooctane                   |            | 111-85-3   | 103           | %        | 70-135 | 06.26.17 12.36  |          |     |
| o-Terphenyl                      |            | 84-15-1    | 106           | %        | 70-135 | 06.26.17 12.36  |          |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:ESW-1 1'Lab Sample Id:556209-002        | Matrix:<br>Date Collecte | Soil<br>d: 06.19.17 16.15 | Date Receive<br>Sample Dept | ed:06.23.17 15.33<br>h: 1 ft |
|---|--------------------------|---------------------------|-----------------------------|------------------------------|
| Analytical Method: BTEX by EPA 8021B<br>Tech: ALJ |                          |                           | Prep Method<br>% Moisture:  | : SW5030B                    |
| Analyst: ALJ<br>Seq Number: 3020931               | Date Prep:               | 06.27.17 15.00            | Basis:                      | Wet Weight                   |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.09 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.09 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.09 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00399  | 0.00399       |       | mg/kg  | 06.27.17 22.09 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.09 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.09 | U    | 1   |
| Total BTEX           |             | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.09 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 94            | %     | 80-120 | 06.27.17 22.09 |      |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 87            | %     | 80-120 | 06.27.17 22.09 |      |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:WSW-1 1'Lab Sample Id:556209-003   |            | Matrix:<br>Date Collecte | Soil<br>ed: 06.19.17 16.17 |                           | eceived:06.2<br>e Depth: 1 ft |                 |     |
|--|------------|--------------------------|----------------------------|---------------------------|-------------------------------|-----------------|-----|
| Analytical Method: Chloride by EPA 3<br>Tech: MGO<br>Analyst: MGO<br>Seq Number: 3020947 | 300        | Date Prep:               | 06.27.17 13.50             | Prep M<br>% Moi<br>Basis: |                               | 00P<br>t Weight |     |
| Parameter  | Cas Number | Result J                 | RL                         | Units An                  | alysis Date                   | Flag            | Dil |

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 165    | 4.91 | mg/kg | 06.27.17 23.17 |      | 1   |

| Analytical Method: TPH by SW80 | 015 Mod    |            |               |          | F      | Prep Method: TX | 1005P    |     |
|--------------------------------|------------|------------|---------------|----------|--------|-----------------|----------|-----|
| Tech: ARM                      |            |            |               |          | 9      | 6 Moisture:     |          |     |
| Analyst: ARM                   |            | Date Pre   | p: 06.26.     | 17 07.00 | E      | Basis: We       | t Weight |     |
| Seq Number: 3021003            |            |            |               |          |        |                 |          |     |
| Parameter                      | Cas Number | Result     | RL            |          | Units  | Analysis Date   | Flag     | Dil |
| Gasoline Range Hydrocarbons    | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 12.56  | U        | 1   |
| Diesel Range Organics          | C10C28DRO  | 255        | 15.0          |          | mg/kg  | 06.26.17 12.56  |          | 1   |
| Oil Range Hydrocarbons         | PHCG2835   | 66.2       | 15.0          |          | mg/kg  | 06.26.17 12.56  |          | 1   |
| Total TPH                      | PHC635     | 321        | 15.0          |          | mg/kg  | 06.26.17 12.56  |          | 1   |
| Surrogate                      |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date   | Flag     |     |
| 1-Chlorooctane                 |            | 111-85-3   | 107           | %        | 70-135 | 06.26.17 12.56  |          |     |
| o-Terphenyl                    | :          | 84-15-1    | 110           | %        | 70-135 | 06.26.17 12.56  |          |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id: WSW-1 1'<br>Lab Sample Id: 556209-003  | Matrix:<br>Date Collecte | Soil<br>ed: 06.19.17 16.17 | Date Receiv<br>Sample Dep  | ed:06.23.17 15.33<br>th: 1 ft |
|---|--------------------------|----------------------------|----------------------------|-------------------------------|
| Analytical Method: BTEX by EPA 8021B<br>Tech: ALJ |                          |                            | Prep Methoo<br>% Moisture: | 1: SW5030B                    |
| Analyst: ALJ<br>Seq Number: 3020931               | Date Prep:               | 06.27.17 15.00             | Basis:                     | Wet Weight                    |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.25 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.25 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.25 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00400  | 0.00400       |       | mg/kg  | 06.27.17 22.25 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.25 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.25 | U    | 1   |
| Total BTEX           |             | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 22.25 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 108           | %     | 80-120 | 06.27.17 22.25 |      |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 98            | %     | 80-120 | 06.27.17 22.25 |      |     |





## TRC Solutions, Inc, Midland, TX

| Sample Id:         BH-5 6''           Lab Sample Id:         556209-004 |            | Matrix:<br>Date Collecte | Soil<br>cd: 06.19.17 16.30 | -     | Date Received:<br>Sample Depth: | eived:06.23.17 15.33<br>Depth: 6 In |     |  |
|---|------------|--------------------------|----------------------------|-------|---------------------------------|-------------------------------------|-----|--|
| Analytical Method: Chloride by EPA<br>Tech: MGO                         | 300        |                          |                            |       | Prep Method:<br>% Moisture:     | E300P                               |     |  |
| Analyst: MGO<br>Seq Number: 3020947                                     |            | Date Prep:               | 06.27.17 13.50             |       |                                 | Wet Weight                          |     |  |
| Parameter   | Cas Number | Result                   | RL                         | Units | Analysis Da                     | te Flag                             | Dil |  |

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 20.0   | 4.97 | mg/kg | 06.27.17 23.25 |      | 1   |

| Analytical Method: TPH by SW8015 Mod |            |            |               |          |             | Prep Method: TX1005P |          |     |  |  |
|--------------------------------------|------------|------------|---------------|----------|-------------|----------------------|----------|-----|--|--|
| Tech: ARM                            |            |            |               |          | % Moisture: |                      |          |     |  |  |
| Analyst: ARM                         |            | Date Pre   | p: 06.26.     | 17 07.00 | E           | Basis: We            | t Weight |     |  |  |
| Seq Number: 3021003                  |            |            |               |          |             |                      |          |     |  |  |
| Parameter                            | Cas Number | Result     | RL            |          | Units       | Analysis Date        | Flag     | Dil |  |  |
| Gasoline Range Hydrocarbons          | PHC610     | <14.9      | 14.9          |          | mg/kg       | 06.26.17 13.16       | U        | 1   |  |  |
| Diesel Range Organics                | C10C28DRO  | <14.9      | 14.9          |          | mg/kg       | 06.26.17 13.16       | U        | 1   |  |  |
| Oil Range Hydrocarbons               | PHCG2835   | <14.9      | 14.9          |          | mg/kg       | 06.26.17 13.16       | U        | 1   |  |  |
| Total TPH                            | PHC635     | <14.9      | 14.9          |          | mg/kg       | 06.26.17 13.16       | U        | 1   |  |  |
| Surrogate                            |            | Cas Number | %<br>Recovery | Units    | Limits      | Analysis Date        | Flag     |     |  |  |
| 1-Chlorooctane                       |            | 111-85-3   | 102           | %        | 70-135      | 06.26.17 13.16       |          |     |  |  |
| o-Terphenyl                          | :          | 84-15-1    | 104           | %        | 70-135      | 06.26.17 13.16       |          |     |  |  |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:         BH-5 6''           Lab Sample Id:         556209-004 | Matrix: Soil<br>Date Collected: 06.19.17 16.30 | Date Received:06.23.17 15.33<br>Sample Depth: 6 In |
|---|--|--|
| Analytical Method: BTEX by EPA 8021B<br>Tech: ALJ                       |  | Prep Method: SW5030B<br>% Moisture:                |
| Analyst: ALJ<br>Seq Number: 3020931                                     | Date Prep: 06.27.17 15.00                      | Basis: Wet Weight                                  |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 22.42 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 22.42 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 22.42 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00402  | 0.00402       |       | mg/kg  | 06.27.17 22.42 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 22.42 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 22.42 | U    | 1   |
| Total BTEX           |             | < 0.00201  | 0.00201       |       | mg/kg  | 06.27.17 22.42 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 103           | %     | 80-120 | 06.27.17 22.42 |      |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 98            | %     | 80-120 | 06.27.17 22.42 |      |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id: <b>BH-4 2'</b><br>Lab Sample Id: 556209-005 |            | Matrix:<br>Date Collecte | Soil<br>ed: 06.20.17 10.00 |       |               |           |     |
|--|------------|--------------------------|----------------------------|-------|---------------|-----------|-----|
| Analytical Method: Chloride by EF                      | PA 300     |                          |                            |       | ep Method: E3 | 00P       |     |
| Tech: MGO  |            |                          | 06 07 17 10 50             |       | Moisture:     |           |     |
| Analyst: MGO<br>Seq Number: 3020947                    |            | Date Prep:               | 06.27.17 13.50             | ва    | sis: We       | et Weight |     |
| Parameter  | Cas Number | Result F                 | RL                         | Units | Analysis Date | Flag      | Dil |

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 65.3   | 4.98 | mg/kg | 06.27.17 23.48 |      | 1   |

| Analytical Method: TPH by SW8015 Mod |            |            |               |          |             | Prep Method: TX1005P |          |     |  |  |
|--------------------------------------|------------|------------|---------------|----------|-------------|----------------------|----------|-----|--|--|
| Tech: ARM                            |            |            |               |          | % Moisture: |                      |          |     |  |  |
| Analyst: ARM                         |            | Date Pre   | p: 06.26.     | 17 07.00 | E           | Basis: Wet           | t Weight |     |  |  |
| Seq Number: 3021003                  |            |            |               |          |             |                      |          |     |  |  |
| Parameter                            | Cas Number | Result     | RL            |          | Units       | Analysis Date        | Flag     | Dil |  |  |
| Gasoline Range Hydrocarbons          | PHC610     | <15.0      | 15.0          |          | mg/kg       | 06.26.17 13.36       | U        | 1   |  |  |
| Diesel Range Organics                | C10C28DRO  | <15.0      | 15.0          |          | mg/kg       | 06.26.17 13.36       | U        | 1   |  |  |
| Oil Range Hydrocarbons               | PHCG2835   | <15.0      | 15.0          |          | mg/kg       | 06.26.17 13.36       | U        | 1   |  |  |
| Total TPH                            | PHC635     | <15.0      | 15.0          |          | mg/kg       | 06.26.17 13.36       | U        | 1   |  |  |
| Surrogate                            |            | Cas Number | %<br>Recovery | Units    | Limits      | Analysis Date        | Flag     |     |  |  |
| 1-Chlorooctane                       |            | 111-85-3   | 104           | %        | 70-135      | 06.26.17 13.36       |          |     |  |  |
| o-Terphenyl                          |            | 84-15-1    | 107           | %        | 70-135      | 06.26.17 13.36       |          |     |  |  |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:         BH-4 2'           Lab Sample Id:         556209-005 | Matrix: Soil<br>Date Collected: 06.20.17 10.00 | Date Received:06.23.17 15.33<br>Sample Depth: 2 ft |
|--|--|--|
| Analytical Method: BTEX by EPA 8021B<br>Tech: ALJ                      |  | Prep Method: SW5030B<br>% Moisture:                |
| Analyst:ALJSeq Number:3020931  | Date Prep: 06.27.17 15.00                      | Basis: Wet Weight                                  |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 22.58 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 22.58 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 22.58 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00398  | 0.00398       |       | mg/kg  | 06.27.17 22.58 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 22.58 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 22.58 | U    | 1   |
| Total BTEX           |             | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 22.58 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 114           | %     | 80-120 | 06.27.17 22.58 |      |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 96            | %     | 80-120 | 06.27.17 22.58 |      |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id: NSW-1 1'<br>Lab Sample Id: 556209-006 | •          |            |                |                       | Date Received:06.23.17 15.33<br>Sample Depth: 1 ft |     |  |  |
|--|------------|------------|----------------|-----------------------|--|-----|--|--|
| Analytical Method: Chloride by EPA<br>Tech: MGO  | . 300      |            |                | Prep Meth<br>% Moistu | nod: E300P<br>re:                                  |     |  |  |
| Analyst: MGO                                     |            | Date Prep: | 06.27.17 13.50 | Basis:                | Wet Weight   |     |  |  |
| Seq Number: 3020947 Parameter                    | Cas Number | Result F   | RL             | Units Analys          | is Date Flag                                       | Dil |  |  |

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 39.7   | 4.98 | mg/kg | 06.27.17 23.55 |      | 1   |

| Analytical Method: TPH by SW801 | 5 Mod      |            |               |          | P      | Prep Method: TX | 1005P    |     |
|---------------------------------|------------|------------|---------------|----------|--------|-----------------|----------|-----|
| Tech: ARM                       |            |            |               |          | 9      | 6 Moisture:     |          |     |
| Analyst: ARM                    |            | Date Pre   | p: 06.26.     | 17 07.00 | E      | Basis: We       | t Weight |     |
| Seq Number: 3021003             |            |            |               |          |        |                 |          |     |
| Parameter                       | Cas Number | Result     | RL            |          | Units  | Analysis Date   | Flag     | Dil |
| Gasoline Range Hydrocarbons     | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 13.56  | U        | 1   |
| Diesel Range Organics           | C10C28DRO  | <15.0      | 15.0          |          | mg/kg  | 06.26.17 13.56  | U        | 1   |
| Oil Range Hydrocarbons          | PHCG2835   | <15.0      | 15.0          |          | mg/kg  | 06.26.17 13.56  | U        | 1   |
| Total TPH                       | PHC635     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 13.56  | U        | 1   |
| Surrogate                       |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date   | Flag     |     |
| 1-Chlorooctane                  |            | 111-85-3   | 103           | %        | 70-135 | 06.26.17 13.56  |          |     |
| o-Terphenyl                     |            | 84-15-1    | 105           | %        | 70-135 | 06.26.17 13.56  |          |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id: NSW-1 1'<br>Lab Sample Id: 556209-006  | Matrix: Soil<br>Date Collected: 06.20.17 10.05 | Date Received:06.23.17 15.33<br>Sample Depth: 1 ft |
|---|--|--|
| Analytical Method: BTEX by EPA 8021B<br>Tech: ALJ |  | Prep Method: SW5030B<br>% Moisture:                |
| Analyst: ALJ<br>Seq Number: 3020931               | Date Prep: 06.27.17 15.00                      | Basis: Wet Weight                                  |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.14 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.14 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.14 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00398  | 0.00398       |       | mg/kg  | 06.27.17 23.14 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.14 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.14 | U    | 1   |
| Total BTEX           |             | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.14 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 92            | %     | 80-120 | 06.27.17 23.14 |      |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 115           | %     | 80-120 | 06.27.17 23.14 |      |     |





## TRC Solutions, Inc, Midland, TX

| Sample Id:         ESW-2 1'           Lab Sample Id:         556209-007 |            | Matrix:<br>Date Collecte | Soil<br>ed: 06.20.17 10.10 |                    | ceived:06.23.17 15.<br>Depth: 1 ft | 33  |
|---|------------|--------------------------|----------------------------|--------------------|------------------------------------|-----|
| Analytical Method: Chloride by EP<br>Tech: MGO                          | PA 300     |                          |                            | Prep Me<br>% Moist | thod: E300P                        |     |
| Analyst: MGO<br>Seg Number: 3020947                                     |            | Date Prep:               | 06.27.17 13.50             | Basis:             | Wet Weight                         |     |
| Parameter   | Cas Number | Result I                 | RL                         | Units Analy        | vsis Date Flag                     | Dil |

| rarameter | Cas Number | Result | KL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 64.6   | 4.97 | mg/kg | 06.28.17 00.03 |      | 1   |

| Analytical Method: TPH by SW801: | 5 Mod      |            |               |          | F      | Prep Method: TX | 1005P    |     |
|----------------------------------|------------|------------|---------------|----------|--------|-----------------|----------|-----|
| Tech: ARM                        |            |            |               |          | 9      | 6 Moisture:     |          |     |
| Analyst: ARM                     |            | Date Prep  | p: 06.26.     | 17 07.00 | E      | Basis: We       | t Weight |     |
| Seq Number: 3021003              |            |            |               |          |        |                 |          |     |
| Parameter                        | Cas Number | Result     | RL            |          | Units  | Analysis Date   | Flag     | Dil |
| Gasoline Range Hydrocarbons      | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.16  | U        | 1   |
| Diesel Range Organics            | C10C28DRO  | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.16  | U        | 1   |
| Oil Range Hydrocarbons           | PHCG2835   | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.16  | U        | 1   |
| Total TPH                        | PHC635     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.16  | U        | 1   |
| Surrogate                        |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date   | Flag     |     |
| 1-Chlorooctane                   |            | 111-85-3   | 103           | %        | 70-135 | 06.26.17 14.16  |          |     |
| o-Terphenyl                      |            | 84-15-1    | 106           | %        | 70-135 | 06.26.17 14.16  |          |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:         ESW-2 1'           Lab Sample Id:         556209-007 | Matrix: Soil<br>Date Collected: 06.20.17 10.10 | Date Received:06.23.17 15.33<br>Sample Depth: 1 ft |
|---|--|--|
| Analytical Method: BTEX by EPA 8021B<br>Tech: ALJ                       |  | Prep Method: SW5030B<br>% Moisture:                |
| Analyst: ALJ<br>Seq Number: 3020931                                     | Date Prep: 06.27.17 15.00                      | Basis: Wet Weight                                  |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.30 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.30 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.30 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00398  | 0.00398       |       | mg/kg  | 06.27.17 23.30 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.30 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.30 | U    | 1   |
| Total BTEX           |             | < 0.00199  | 0.00199       |       | mg/kg  | 06.27.17 23.30 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 113           | %     | 80-120 | 06.27.17 23.30 |      |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 108           | %     | 80-120 | 06.27.17 23.30 |      |     |





## TRC Solutions, Inc, Midland, TX

| Sample Id: SSW<br>Lab Sample Id: 5562 |                     | Matrix:<br>Date Collecte | Soil<br>ed: 06.20.17 10.15 |       | Date Received<br>Sample Depth: | 06.23.17 15.33<br>1 ft |     |
|---------------------------------------|---------------------|--------------------------|----------------------------|-------|--------------------------------|------------------------|-----|
| 5                                     | Chloride by EPA 300 |                          |                            |       | Prep Method:                   | E300P                  |     |
| Tech: MGC                             |                     |                          |                            |       | % Moisture:                    |                        |     |
| Analyst: MGC                          |                     | Date Prep:               | 06.27.17 13.50             | ]     | Basis:                         | Wet Weight             |     |
| Seq Number: 3020                      | 47                  |                          |                            |       |                                |                        |     |
| Parameter                             | Cas Number          | Result F                 | RL.                        | Units | Analysis Da                    | te Flag                | Dil |

| rarameter | Cas Number | Result | KL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 146    | 4.97 | mg/kg | 06.28.17 00.11 |      | 1   |

| Analytical Method: TPH by SW8015 | 5 Mod      |            |               |          | F      | Prep Method: TX | 1005P     |     |
|----------------------------------|------------|------------|---------------|----------|--------|-----------------|-----------|-----|
| Tech: ARM                        |            |            |               |          | 9      | % Moisture:     |           |     |
| Analyst: ARM                     |            | Date Pre   | p: 06.26.     | 17 07.00 | E      | Basis: We       | et Weight |     |
| Seq Number: 3021003              |            |            |               |          |        |                 |           |     |
| Parameter                        | Cas Number | Result     | RL            |          | Units  | Analysis Date   | Flag      | Dil |
| Gasoline Range Hydrocarbons      | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.36  | U         | 1   |
| Diesel Range Organics            | C10C28DRO  | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.36  | U         | 1   |
| Oil Range Hydrocarbons           | PHCG2835   | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.36  | U         | 1   |
| Total TPH                        | PHC635     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.36  | U         | 1   |
| Surrogate                        |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date   | Flag      |     |
| 1-Chlorooctane                   |            | 111-85-3   | 104           | %        | 70-135 | 06.26.17 14.36  |           |     |
| o-Terphenyl                      |            | 84-15-1    | 106           | %        | 70-135 | 06.26.17 14.36  |           |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:SSW-1 1'Lab Sample Id:556209-008        | Matrix: Soil<br>Date Collected: 06.20.17 10.15 | Date Received:06.23.17 15.33<br>Sample Depth: 1 ft |
|---|--|--|
| Analytical Method: BTEX by EPA 8021B<br>Tech: ALJ |  | Prep Method: SW5030B<br>% Moisture:                |
| Analyst: ALJ<br>Seq Number: 3020931               | Date Prep: 06.27.17 15.00                      | Basis: Wet Weight                                  |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 23.46 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 23.46 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 23.46 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00399  | 0.00399       |       | mg/kg  | 06.27.17 23.46 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 23.46 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 23.46 | U    | 1   |
| Total BTEX           |             | < 0.00200  | 0.00200       |       | mg/kg  | 06.27.17 23.46 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 89            | %     | 80-120 | 06.27.17 23.46 |      |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 100           | %     | 80-120 | 06.27.17 23.46 |      |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:         NSW-2 1'           Lab Sample Id:         556209-009 |            | Matrix:<br>Date Collecte | Soil<br>d: 06.20.17 11.00 | Date Rece<br>Sample D | ived:06.23.17 15.33<br>epth: 1 ft | ;   |
|---|------------|--------------------------|---------------------------|-----------------------|-----------------------------------|-----|
| Analytical Method: Chloride by EPA<br>Tech: MGO                         | .300       |                          |                           | Prep Meth<br>% Moistu | nod: E300P<br>re:                 |     |
| Analyst: MGO  |            | Date Prep:               | 06.27.17 13.50            | Basis:                | Wet Weight                        |     |
| Seq Number: 3020947<br>Parameter  | Cas Number | Result R                 | L                         | Units Analys          | is Date Flag                      | Dil |

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 9.95   | 4.93 | mg/kg | 06.28.17 00.18 |      | 1   |

| Analytical Method: TPH by SW801<br>Tech: ARM | 5 Mod      |            |               |          |        | Prep Method: TX | 1005P  |     |
|--|------------|------------|---------------|----------|--------|-----------------|--------|-----|
| Analyst: ARM                                 |            | Date Pre   | p: 06.26.     | 17 07.00 | E      | Basis: We       | Weight |     |
| Seq Number: 3021003                          |            |            |               |          |        |                 |        |     |
| Parameter                                    | Cas Number | Result     | RL            |          | Units  | Analysis Date   | Flag   | Dil |
| Gasoline Range Hydrocarbons                  | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.56  | U      | 1   |
| Diesel Range Organics                        | C10C28DRO  | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.56  | U      | 1   |
| Oil Range Hydrocarbons                       | PHCG2835   | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.56  | U      | 1   |
| Total TPH                                    | PHC635     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 14.56  | U      | 1   |
| Surrogate                                    |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date   | Flag   |     |
| 1-Chlorooctane                               |            | 111-85-3   | 102           | %        | 70-135 | 06.26.17 14.56  |        |     |
| o-Terphenyl                                  |            | 84-15-1    | 103           | %        | 70-135 | 06.26.17 14.56  |        |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:NSW-2 1'Lab Sample Id:556209-009        | Matrix: Soil<br>Date Collected: 06.20.17 11.00 | Date Received:06.23.17 15.33<br>Sample Depth: 1 ft |
|---|--|--|
| Analytical Method: BTEX by EPA 8021B<br>Tech: ALJ |  | Prep Method: SW5030B<br>% Moisture:                |
| Analyst:ALJSeq Number:3020931                     | Date Prep: 06.27.17 15.00                      | Basis: Wet Weight                                  |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00202  | 0.00202       |       | mg/kg  | 06.28.17 00.02 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00202  | 0.00202       |       | mg/kg  | 06.28.17 00.02 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00202  | 0.00202       |       | mg/kg  | 06.28.17 00.02 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00403  | 0.00403       |       | mg/kg  | 06.28.17 00.02 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00202  | 0.00202       |       | mg/kg  | 06.28.17 00.02 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00202  | 0.00202       |       | mg/kg  | 06.28.17 00.02 | U    | 1   |
| Total BTEX           |             | < 0.00202  | 0.00202       |       | mg/kg  | 06.28.17 00.02 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 107           | %     | 80-120 | 06.28.17 00.02 |      |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 107           | %     | 80-120 | 06.28.17 00.02 |      |     |





## TRC Solutions, Inc, Midland, TX

| Sample Id: WSW-2 1'<br>Lab Sample Id: 556209-010                |            | Matrix:<br>Date Collecte | Soil<br>ed: 06.20.17 11.15 |                                | ceived:06.23.17 15.<br>Depth: 1 ft | 33  |
|---|------------|--------------------------|----------------------------|--------------------------------|------------------------------------|-----|
| Analytical Method: Chloride by EPA<br>Tech: MGO<br>Analyst: MGO | 300        | Date Prep:               | 06.27.17 13.50             | Prep Met<br>% Moiste<br>Basis: | thod: E300P<br>ure:<br>Wet Weight  |     |
| Seq Number: 3020947   |            | Duce Prop.               |                            |                                |                                    |     |
| Parameter   | Cas Number | Result F                 | RL                         | Units Analy                    | sis Date Flag                      | Dil |

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 16.7   | 4.96 | mg/kg | 06.28.17 00.26 |      | 1   |

| Analytical Method: TPH by SW801 | 5 Mod      |            |               |          | F      | Prep Method: TX | 1005P  |     |
|---------------------------------|------------|------------|---------------|----------|--------|-----------------|--------|-----|
| Tech: ARM                       |            |            |               |          | 9      | 6 Moisture:     |        |     |
| Analyst: ARM                    |            | Date Pre   | p: 06.26.     | 17 07.00 | E      | Basis: We       | Weight |     |
| Seq Number: 3021003             |            |            |               |          |        |                 |        |     |
| Parameter                       | Cas Number | Result     | RL            |          | Units  | Analysis Date   | Flag   | Dil |
| Gasoline Range Hydrocarbons     | PHC610     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 15.16  | U      | 1   |
| Diesel Range Organics           | C10C28DRO  | <15.0      | 15.0          |          | mg/kg  | 06.26.17 15.16  | U      | 1   |
| Oil Range Hydrocarbons          | PHCG2835   | <15.0      | 15.0          |          | mg/kg  | 06.26.17 15.16  | U      | 1   |
| Total TPH                       | PHC635     | <15.0      | 15.0          |          | mg/kg  | 06.26.17 15.16  | U      | 1   |
| Surrogate                       |            | Cas Number | %<br>Recovery | Units    | Limits | Analysis Date   | Flag   |     |
| 1-Chlorooctane                  |            | 111-85-3   | 103           | %        | 70-135 | 06.26.17 15.16  |        |     |
| o-Terphenyl                     |            | 84-15-1    | 105           | %        | 70-135 | 06.26.17 15.16  |        |     |





#### TRC Solutions, Inc, Midland, TX

| Sample Id:WSW-2 1'Lab Sample Id:556209-010                               | Matrix: Soil<br>Date Collected: 06.20.17 11.15 | Date Received:06.23.17 15.33<br>Sample Depth: 1 ft       |
|--|--|--|
| Analytical Method:BTEX by EPA 8021BTech:ALJAnalyst:ALJSeq Number:3020931 | Date Prep: 06.27.17 15.00                      | Prep Method: SW5030B<br>% Moisture:<br>Basis: Wet Weight |

| Parameter            | Cas Number  | Result     | RL            |       | Units  | Analysis Date  | Flag | Dil |
|----------------------|-------------|------------|---------------|-------|--------|----------------|------|-----|
| Benzene              | 71-43-2     | < 0.00201  | 0.00201       |       | mg/kg  | 06.28.17 00.18 | U    | 1   |
| Toluene              | 108-88-3    | < 0.00201  | 0.00201       |       | mg/kg  | 06.28.17 00.18 | U    | 1   |
| Ethylbenzene         | 100-41-4    | < 0.00201  | 0.00201       |       | mg/kg  | 06.28.17 00.18 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | < 0.00402  | 0.00402       |       | mg/kg  | 06.28.17 00.18 | U    | 1   |
| o-Xylene             | 95-47-6     | < 0.00201  | 0.00201       |       | mg/kg  | 06.28.17 00.18 | U    | 1   |
| Total Xylenes        | 1330-20-7   | < 0.00201  | 0.00201       |       | mg/kg  | 06.28.17 00.18 | U    | 1   |
| Total BTEX           |             | < 0.00201  | 0.00201       |       | mg/kg  | 06.28.17 00.18 | U    | 1   |
| Surrogate            |             | Cas Number | %<br>Recovery | Units | Limits | Analysis Date  | Flag |     |
| 1,4-Difluorobenzene  |             | 540-36-3   | 92            | %     | 80-120 | 06.28.17 00.18 |      |     |
| 4-Bromofluorobenzene |             | 460-00-4   | 103           | %     | 80-120 | 06.28.17 00.18 |      |     |



# **Flagging Criteria**



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

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

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

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|   |                |                |



# QC Summary 556209

# **TRC Solutions, Inc**

| Analytical Method: | Chloride by EPA 3 | 00     |         |          |           |      |        | Pr   | ep Metho | d: E300  | OP        |      |
|--------------------|-------------------|--------|---------|----------|-----------|------|--------|------|----------|----------|-----------|------|
| Seq Number:        | 3020947           |        |         | Matrix:  | Solid     |      |        |      | Date Pre | ep: 06.2 | 7.17      |      |
| MB Sample Id:      | 726861-1-BLK      |        | LCS San | nple Id: | 726861-1- | BKS  |        | LCSI | O Sample | Id: 7268 | 361-1-BSD |      |
| Parameter          | MB                | Spike  | LCS     | LCS      | LCSD      | LCSD | Limits | %RPD | RPD      | Units    | Analysis  | Flag |
|                    | Result            | Amount | Result  | %Rec     | Result    | %Rec |        |      | Limit    |          | Date      | riag |

| Analytical Method: | Chloride by EPA 30 | 00              |              |            |               |             |        | Pr   | ep Metho     | d: E30   | 0P               |      |
|--------------------|--------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|----------|------------------|------|
| Seq Number:        | 3020947            |                 |              | Matrix:    | Soil          |             |        |      | Date Pre     | ep: 06.2 | 7.17             |      |
| Parent Sample Id:  | 555795-008         |                 | MS Sar       | nple Id:   | 555795-00     | )8 S        |        | MSI  | O Sample     | Id: 555  | 795-008 SD       |      |
| Parameter          | Parent<br>Result   | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units    | Analysis<br>Date | Flag |
| Chloride           | 9.20               | 246             | 253          | 99         | 254           | 100         | 90-110 | 0    | 20           | mg/kg    | 06.27.17 21:16   |      |

| Analytical Method: | Chloride by EPA 30 | 00              |              |            |               |             |        | Pr   | ep Metho     | od: E30  | 0P               |      |
|--------------------|--------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|----------|------------------|------|
| Seq Number:        | 3020947            |                 |              | Matrix:    | Soil          |             |        |      | Date Pre     | ep: 06.2 | 7.17             |      |
| Parent Sample Id:  | 556209-002         |                 | MS Sar       | nple Id:   | 556209-00     | )2 S        |        | MSI  | D Sample     | Id: 5562 | 209-002 SD       |      |
| Parameter          | Parent<br>Result   | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units    | Analysis<br>Date | Flag |
| Chloride           | 36.3               | 250             | 289          | 101        | 290           | 101         | 90-110 | 0    | 20           | mg/kg    | 06.27.17 23:02   |      |

| Analytical Method:     | TPH by SW8015 M | lod             |               |             |                |              |        | Pı   | ep Metho     | od: TX1    | .005P            |      |
|------------------------|-----------------|-----------------|---------------|-------------|----------------|--------------|--------|------|--------------|------------|------------------|------|
| Seq Number:            | 3021003         |                 |               | Matrix:     | Solid          |              |        |      | Date Pr      | ep: 06.2   | 6.17             |      |
| MB Sample Id:          | 726785-1-BLK    |                 | LCS Sar       | nple Id:    | 726785-1       | -BKS         |        | LCS  | D Sample     | e Id: 7267 | 785-1-BSD        |      |
| Parameter              | MB<br>Result    | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units      | Analysis<br>Date | Flag |
| Gasoline Range Hydroca | arbons <15.0    | 1000            | 1030          | 103         | 1030           | 103          | 70-135 | 0    | 35           | mg/kg      | 06.26.17 10:55   |      |
| Diesel Range Organics  | <15.0           | 1000            | 1050          | 105         | 1040           | 104          | 70-135 | 1    | 35           | mg/kg      | 06.26.17 10:55   |      |
| Surrogate              | MB<br>%Rec      | MB<br>Flag      |               | CS<br>Rec   | LCS<br>Flag    | LCSI<br>%Re  |        |      | imits        | Units      | Analysis<br>Date |      |
| 1-Chlorooctane         | 107             |                 | 1             | 01          |                | 102          |        | 70   | -135         | %          | 06.26.17 10:55   |      |
| o-Terphenyl            | 115             |                 | 1             | 00          |                | 99           |        | 70   | -135         | %          | 06.26.17 10:55   |      |



## **TRC Solutions, Inc**

| Analytical Method:    | TPH by S  | W8015 M          | lod             |              |            |               |             |        | Pı   | ep Meth      | od: TX1    | 005P             |      |
|-----------------------|-----------|------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|------------|------------------|------|
| Seq Number:           | 3021003   |                  |                 |              | Matrix:    | Soil          |             |        |      | Date Pr      | ep: 06.2   | 6.17             |      |
| Parent Sample Id:     | 556209-00 | )1               |                 | MS Sar       | nple Id:   | 556209-0      | 01 S        |        | MS   | D Sample     | e Id: 5562 | 209-001 SD       |      |
| Parameter             |           | Parent<br>Result | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units      | Analysis<br>Date | Flag |
| Gasoline Range Hydroc | carbons   | <15.0            | 998             | 1030         | 103        | 1020          | 102         | 70-135 | 1    | 35           | mg/kg      | 06.26.17 11:56   |      |
| Diesel Range Organics |           | 53.3             | 998             | 1050         | 100        | 1040          | 99          | 70-135 | 1    | 35           | mg/kg      | 06.26.17 11:56   |      |
| Surrogate             |           |                  |                 |              | AS<br>Rec  | MS<br>Flag    | MSD<br>%Re  |        |      | imits        | Units      | Analysis<br>Date |      |
| 1-Chlorooctane        |           |                  |                 | 1            | 07         |               | 101         |        | 70   | -135         | %          | 06.26.17 11:56   |      |
| o-Terphenyl           |           |                  |                 | 9            | 99         |               | 96          |        | 70   | )-135        | %          | 06.26.17 11:56   |      |

| <b>Analytical Method:</b><br>Seq Number:<br>MB Sample Id: | <b>BTEX by EPA 802</b><br>3020931<br>726847-1-BLK | 1B              | LCS San       | Matrix:<br>nple Id: | Solid<br>726847-1 | -BKS         |        |      | rep Methe<br>Date Pr<br>D Sample | ep: 06.2 | 5030B<br>7.17<br>847-1-BSD |      |
|---|---|-----------------|---------------|---------------------|-------------------|--------------|--------|------|----------------------------------|----------|----------------------------|------|
| Parameter   | MB<br>Result                                      | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec         | LCSD<br>Result    | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit                     | Units    | Analysis<br>Date           | Flag |
| Benzene   | < 0.00202   | 0.101           | 0.103         | 102                 | 0.103             | 103          | 70-130 | 0    | 35                               | mg/kg    | 06.27.17 20:16             |      |
| Toluene   | < 0.00202   | 0.101           | 0.0908        | 90                  | 0.0903            | 90           | 70-130 | 1    | 35                               | mg/kg    | 06.27.17 20:16             |      |
| Ethylbenzene  | < 0.00202   | 0.101           | 0.0968        | 96                  | 0.0998            | 100          | 71-129 | 3    | 35                               | mg/kg    | 06.27.17 20:16             |      |
| m,p-Xylenes   | < 0.00404   | 0.202           | 0.176         | 87                  | 0.177             | 88           | 70-135 | 1    | 35                               | mg/kg    | 06.27.17 20:16             |      |
| o-Xylene  | < 0.00202   | 0.101           | 0.0917        | 91                  | 0.0933            | 93           | 71-133 | 2    | 35                               | mg/kg    | 06.27.17 20:16             |      |
| Surrogate   | MB<br>%Rec  | MB<br>Flag      |               |                     | LCS<br>Flag       | LCSI<br>%Ree |        |      | imits                            | Units    | Analysis<br>Date           |      |
| 1,4-Difluorobenzene                                       | 97  |                 | ç             | 92                  |                   | 101          |        | 80   | )-120                            | %        | 06.27.17 20:16             |      |
| 4-Bromofluorobenzene                                      | 99  |                 | 1             | 07                  |                   | 100          |        | 80   | )-120                            | %        | 06.27.17 20:16             |      |

| <b>Analytical Method:</b><br>Seq Number:<br>Parent Sample Id: | <b>BTEX by EPA 802</b><br>3020931<br>556209-001 | 1B              | ]<br>MS San  | Matrix:<br>nple Id: |               | 01 S        |        |      | rep Methe<br>Date Pr<br>D Sample | ep: 06.2 | 5030B<br>7.17<br>209-001 SD |      |
|---|---|-----------------|--------------|---------------------|---------------|-------------|--------|------|----------------------------------|----------|-----------------------------|------|
| Parameter   | Parent<br>Result                                | Spike<br>Amount | MS<br>Result | MS<br>%Rec          | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit                     | Units    | Analysis<br>Date            | Flag |
| Benzene   | < 0.00200                                       | 0.100           | 0.0814       | 81                  | 0.0750        | 74          | 70-130 | 8    | 35                               | mg/kg    | 06.27.17 20:48              |      |
| Toluene   | < 0.00200                                       | 0.100           | 0.0665       | 67                  | 0.0653        | 65          | 70-130 | 2    | 35                               | mg/kg    | 06.27.17 20:48              | Х    |
| Ethylbenzene  | < 0.00200                                       | 0.100           | 0.0708       | 71                  | 0.0610        | 60          | 71-129 | 15   | 35                               | mg/kg    | 06.27.17 20:48              | Х    |
| m,p-Xylenes   | < 0.00400                                       | 0.200           | 0.117        | 59                  | 0.105         | 52          | 70-135 | 11   | 35                               | mg/kg    | 06.27.17 20:48              | Х    |
| o-Xylene  | < 0.00200                                       | 0.100           | 0.0656       | 66                  | 0.0628        | 62          | 71-133 | 4    | 35                               | mg/kg    | 06.27.17 20:48              | Х    |
| Surrogate   |   |                 |              | 1S<br>Rec           | MS<br>Flag    | MSD<br>%Rec |        |      | imits                            | Units    | Analysis<br>Date            |      |
| 1,4-Difluorobenzene   |   |                 | 9            | 90                  |               | 116         |        | 80   | )-120                            | %        | 06.27.17 20:48              |      |
| 4-Bromofluorobenzene  |   |                 | 9            | 91                  |               | 117         |        | 80   | )-120                            | %        | 06.27.17 20:48              |      |

| Incliniquistica by        | Relinquished   | Relinquished  | Bill to R  | Special I             |           |           |           |           |           |           |           |           |           |           | LAB # (lab use only)                                      | ORDER #:       | (lab use only) |  |                      |                        |                         |                               |                              | The Environme   |
|---------------------------|--|---|--|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|----------------|----------------|--|----------------------|------------------------|-------------------------|-------------------------------|------------------------------|---|
|                           | hed by:  | Juli Lun  | Bill to Rose Slade at Energy Transfer.               | Special Instructions: | WSW-2 1   | NSW-2 1   | SSW-1 1   | ESW-2 1   | NSW-1 1   | BH-4 2'   | BH-5 6"   | WSW-1 1   | ESW-1 1'  | BH-3 2'   | FIELD CODE  | # DOGD         | only)          | Sampler Signature:                                       | Telephone No: 432.52 | City/State/Zip: Midlan | Company Address: 2057 C | Company Name TRC E            | Project Manager: Nikki Green | The Environmental Lab of Texas                                  |
| Date                      | / Date   | (0)23/1   | -  |                       |           |           |           |           |           |           |           |           |           |           | m   | -              | 20             | Weller L   | 432.520.7720         | Midland, Texas 79703   | 2057 Commerce Drive     | TRC Environmental Corporation | breen                        |   |
| -                         |  | 71  |  | F                     | 1         | 1         | 1         | 1         |           |           |           |           |           |           | Beginning Depth   |                |                | lue  |                      |                        |                         | oration                       |                              |   |
|                           | Time   | 53 Time   |  | F                     | +         | 1         | $\vdash$  |           |           |           |           |           |           |           | Ending Depth  |                |                | D  | 1                    |                        |                         | -                             |                              |   |
| 7                         | R  | WR  |  | -                     | -         | -         |           |           | -         |           |           |           |           | -         |   | -              |                |  |                      |                        |                         |                               |                              |   |
| () 309 VIII               |  | Received by   |  |                       | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/19/2017 | 6/19/2017 | 6/19/2017 | 6/19/2017 | Date Sampled  |                |                |  |                      |                        |                         |                               |                              |   |
| (P-23-10-00)              | Temp: DUC  |   |  |                       | 1115      | 1100      | 1015      | 1010      | 1005      | 1000      | 1630      | 1617      | 1615      | 1600      | Time Sampled  |                |                | e-mail:  | Fax No:              |                        |                         |                               |                              |   |
| 2                         |  |   |  |                       |           |           |           |           |           |           |           |           |           |           | Field Filtered  |                |                |  |                      |                        |                         |                               |                              |   |
|                           | F  |   |  |                       | -         | -         | 4         | -         | -         |           | -         | -         |           |           | Total #. of Containers                                    | 1              |                | 13   |                      |                        |                         |                               |                              | -   |
|                           | IR ID:R-8  |   |  | _                     | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | Ice   | - 2            |                | nc   |                      |                        | 1                       |                               |                              | 12600 West I-20 East<br>Odessa, Texas 79765                     |
|                           | R-8  |   |  | _                     |           |           |           |           |           |           |           |           |           |           | HNO <sub>3</sub>  | Preservation & |                | slad   |                      |                        |                         |                               |                              | N0 W  |
|                           |  |   |  | _                     | -         | -         | -         |           |           |           | _         | -         |           | _         | HCI   | /atior         |                | e@   |                      | 1                      |                         |                               |                              | Te  |
|                           |  |   |  | -                     | -         | -         | -         |           | -         | -         | -         | -         |           | -         | H <sub>2</sub> SO <sub>4</sub><br>NaOH                    | *              |                | ene  |                      |                        |                         |                               |                              | I-20<br>(as   |
|                           |  |   |  | -                     | -         | -         | -         | -         | -         |           |           | -         | -         | -         | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>             | of Containers  |                | e.slade@energytransfer.c<br>ngreen@trcsolutions.com      |                      |                        |                         |                               |                              | Ea:<br>797  |
| -                         | -  | 0   | 2  | -                     | -         | -         |           |           |           | -         | -         |           | -         |           | None  | ntain          |                | ions   |                      |                        |                         |                               |                              | of st   |
|                           |  | $\sim$  |  |                       | +         |           |           |           |           |           |           |           |           | -         | Other ( Specify)  | - SIG          |                | sfer   |                      |                        |                         |                               |                              |   |
| Date                      | Date   | Date<br>23/   |  | -                     | 1         |           |           |           |           |           |           | 1.771     |           |           | DW=Drinking Water SL=Sludge                               |                |                | rose.slade@energytransfer.com<br>ngreen@trcsolutions.com | 1                    | ,                      | 1                       | 1                             | 4                            |   |
|                           |  | n   | 1.1  |                       | Soil      | GW = Groundwater S=Soil/Solid                             | Matrix         |                | 13   | Rep                  |                        |                         |                               |                              |   |
|                           |  | 1   |  |                       | -         | -         | -         | -         |           |           | _         | -         |           |           | NP=Non-Potable Specify Other                              | 1              | -              | 25   | Report Format:       |                        | P                       |                               | Project Name:                |   |
| Ime                       | Fime   | Sime  |  | -                     | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | CARLES CONTRACTOR AND | 158            | 11             | P  | orm                  |                        | ojec                    | Proj                          | oct N                        |   |
| -                         | 0  | 005   | < (0 1   | -                     | -         |           | -         |           |           | -         | _         |           |           | -         | TPH: TX 1005 TX 1006<br>Cations (Ca, Mg, Na, K)           |                |                |  | lat:                 | PO #:                  | Project Loc:            | Project #:                    | lame                         |   |
| emp                       | b  | abel  | amp  |                       | +         | -         |           |           |           | -         | -         |           | -         | -         | Anions (CI, SO4, Alkalinity)                              | -              |                |  | -                    | 1                      | 1"                      | 1                             | 1 <sup>m</sup>               |   |
| erat                      | V Sal  | _abels on container(s)<br>Custody seals on cont<br>Custody seals on cool              | Fre  | aboratory Comments:   | -         |           |           |           | -         | -         | -         |           |           |           | SAR / ESP / CEC   |                | TCLP:          |  | Standard             |                        |                         |                               |                              |   |
| ure                       | mple   | conseals  | e of   |                       | +         |           |           |           | -         |           |           |           | -         |           | Metals: As Ag Ba Cd Cr Pb Hg                              |                |                | >  | anda                 |                        |                         |                               | A                            | Pho<br>Fa   |
| Upo                       | ? Del  | on  | Hea  |                       | +         |           |           |           |           |           | -         |           |           |           | Volatiles   | -              | Η              | Analyze  | ard                  |                        |                         | L                             | 40                           | hone:<br>Fax:   |
| n Re                      | ent F  | er(s<br>con   | adsp   | nen –                 | +         | -         |           |           |           |           |           |           |           |           | Semivolatiles   | -              | Ħ              | ize F  |                      |                        | -                       | =                             | om                           | 43  |
| Temperature Upon Receipt: | hple Hand Delivered<br>by Sampler/Client Rep. ?<br>by Courier? UPS | Labels on container(s)<br>Custody seals on container(s)<br>Custody seals on cooler(s) | Sample Containers Intact?<br>VOCs Free of Headspace? | n                     | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | BTEX 80219/5030 or BTEX 82                                | 260            | Π              | For:   |                      |                        | ea (                    | RC                            | ores                         | 2-56  |
| žt                        | PHL ?  | er(s)   | 0.0  | -                     |           |           |           |           |           |           |           |           | 1.        |           | RCI   | -              | 1              |  | ] TRRP               |                        | Lea County, NM          | FRC #: 273818                 | A14 Compressor Station Sump  | t I-20 East Phone: 432-563-1800<br>9xas 79765 Fax: 432-563-1713 |
|                           | ÷.   |   |  | -                     |           |           |           |           |           |           |           |           |           |           | N.O.R.M.  |                |                |  | RP                   |                        | ity, I                  | 738                           | Sta                          | 800   |
|                           | Fee  |   |  |                       | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | Chlorides E 300.1   |                |                |  |                      |                        | MN                      | 318                           | atio                         |   |
|                           | Y<br>FedEx   | ~ ~ ~   | ~ ~  |                       |           |           |           |           | 1         |           |           |           |           |           |   |                |                | 1  |                      |                        |                         |                               | n St                         |   |
|                           | Lon  |   |  |                       |           |           |           |           |           |           |           |           |           |           |   |                |                |  | NPDES                |                        |                         |                               | duir                         |   |
| ů                         | N<br>N<br>Lone Star  | zzz   | zz   |                       |           | 1.1       |           |           |           |           | -         |           | -         |           | RUSH TAT (Pre-Schedule) 24,                               | , 48, 7        | 2 hrs          |  | DES                  |                        |                         |                               |                              |   |
|                           | ar   |   |  |                       | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | ×         | Standard 3-Day TAT  | 1              |                |  |                      |                        |                         |                               |                              |   |

Final 1.000



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



Client: TRC Solutions, Inc Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 06/23/2017 03:33:00 PM Temperature Measuring device used : R8 Work Order #: 556209 Comments Sample Receipt Checklist 2.4 #1 \*Temperature of cooler(s)? #2 \*Shipping container in good condition? Yes #3 \*Samples received on ice? Yes #4 \*Custody Seal present on shipping container/ cooler? N/A #5 \*Custody Seals intact on shipping container/ cooler? N/A #6 Custody Seals intact on sample bottles? N/A #7 \*Custody Seals Signed and dated? N/A #8 \*Chain of Custody present? Yes #9 Sample instructions complete on Chain of Custody? Yes #10 Any missing/extra samples? No #11 Chain of Custody signed when relinguished/ received? Yes #12 Chain of Custody agrees with sample label(s)? Yes #13 Container label(s) legible and intact? Yes #14 Sample matrix/ properties agree with Chain of Custody? Yes #15 Samples in proper container/ bottle? Yes #16 Samples properly preserved? Yes #17 Sample container(s) intact? Yes #18 Sufficient sample amount for indicated test(s)? Yes #19 All samples received within hold time? Yes #20 Subcontract of sample(s)? N/A #21 VOC samples have zero headspace? N/A

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

Analyst:

PH Device/Lot#:

Date: 06/23/2017

Checklist completed by: Jessica Kramer Checklist reviewed by: Kelsey Brooks

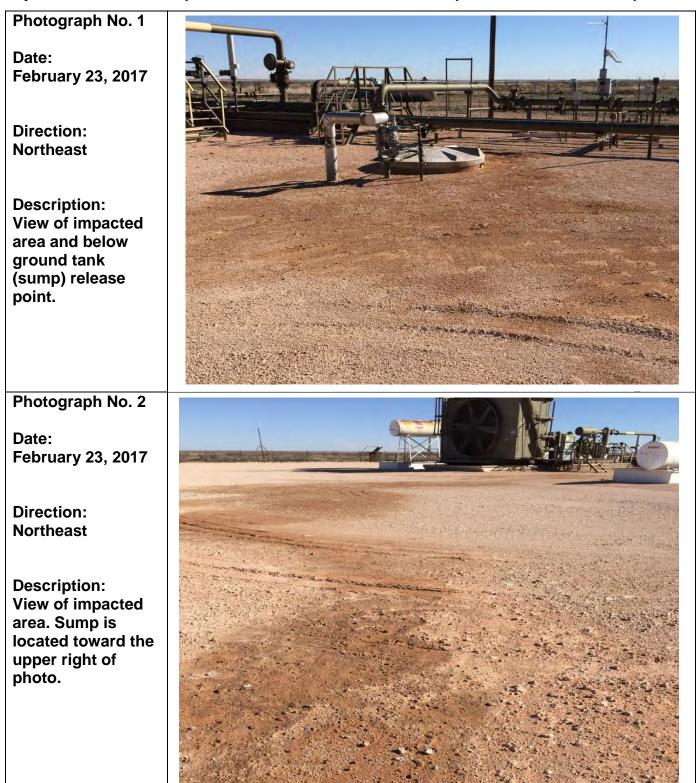
Date: 06/26/2017

Page 31 of 31



## Photographic Documentation

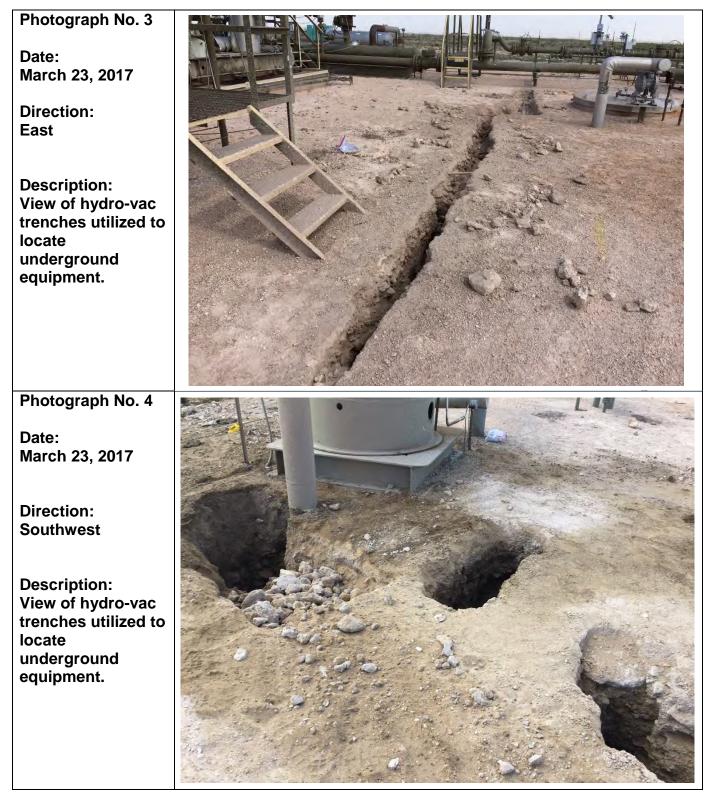
Client: ETC Field Services, LLCPrepared by:TRC Environmental Corp.Project Name: A-14 Compressor Station Below Ground SumpLocation: Lea County, NM



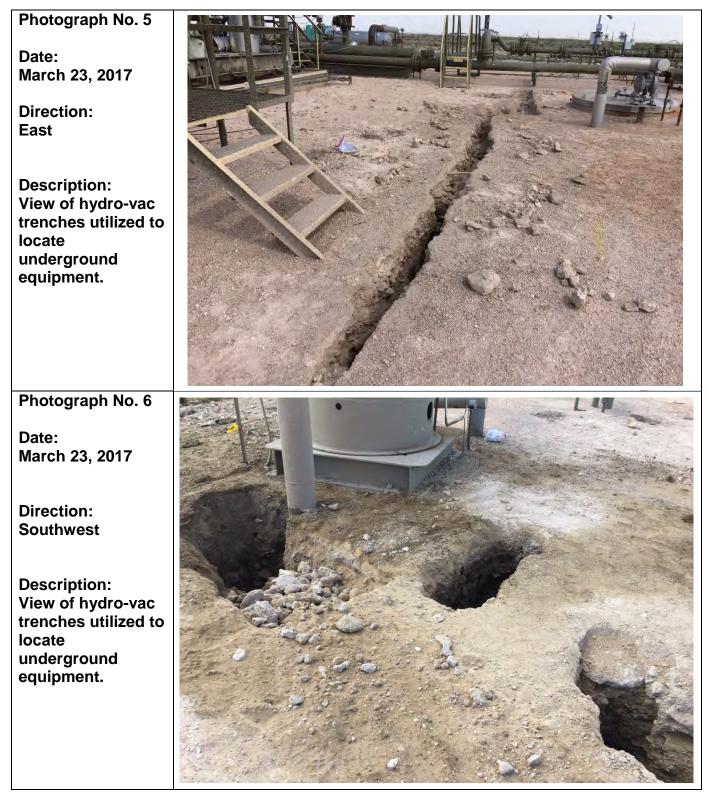


## Photographic Documentation

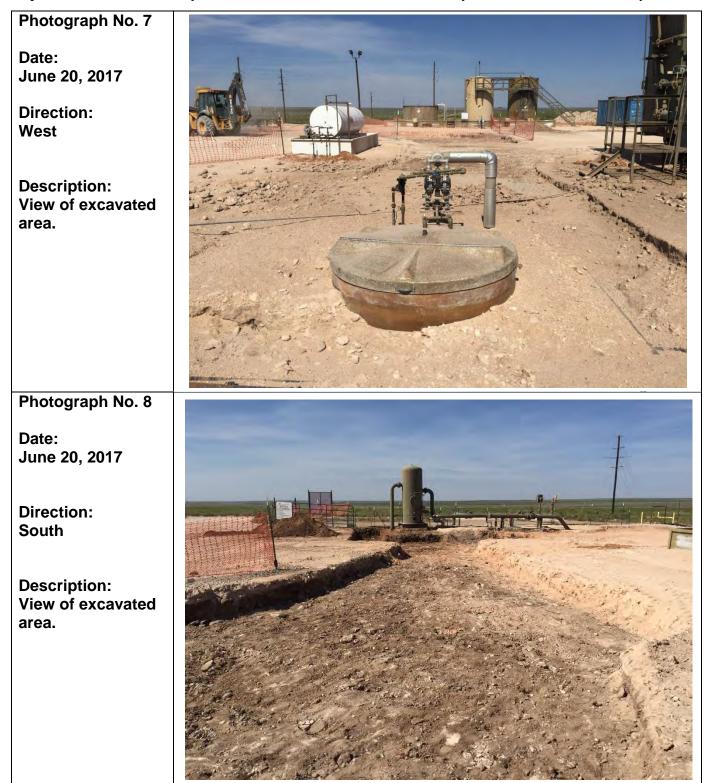
Client: ETC Field Services, LLCPrepared by:TRC Environmental Corp.Project Name: A-14 Compressor Station Below Ground SumpLocation: Lea County, NM



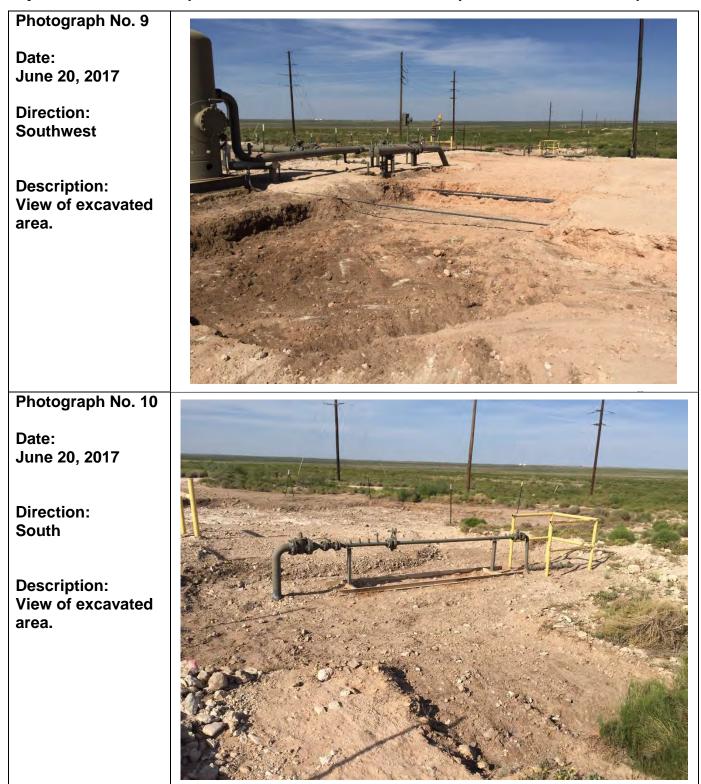








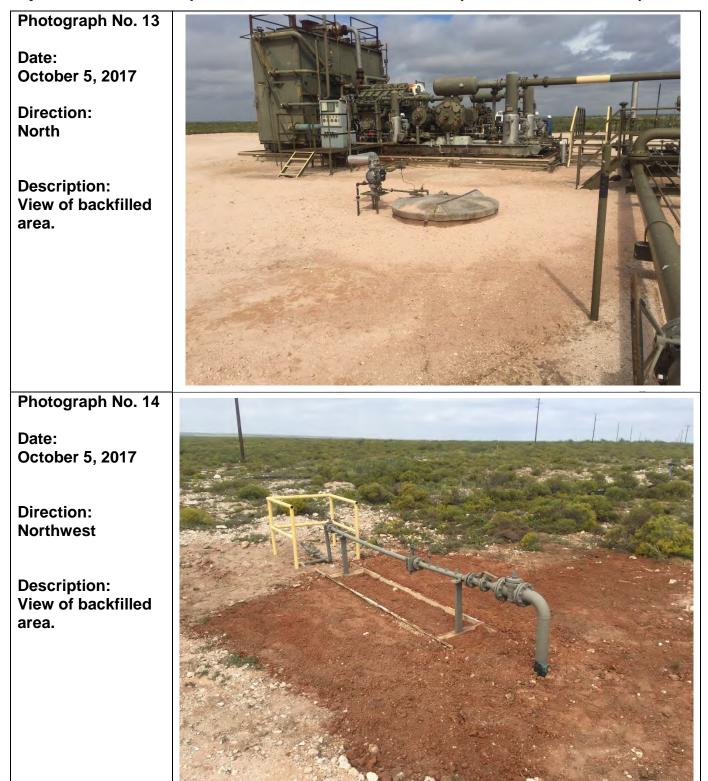












|  | . Box 1737 Eunice, New 1<br>(575) 394-2511  |   | TICKET No.  | 430949  |
|--|---|---|---|---|
| EASE OPERATOR/SHIPPE   | ir/company: Z   | 70 ,,   |   |   |
| LEASE NAME: /-/ ///  | Comput  | <u>stor Mallea</u>  | College A   |   |
| TRANSPORTER COMPANY  |   | 1 11112 JULIA   | TIME"   | 7.77 AM/EN  |
| DMILL JA XIJII   | VERICLE NO:   | 4434134   | TORCOMPANY (25-C  |   |
| CHARGE TO:   | 216   |   | NUMBER 4224   | <u>MD-3777</u>  |
|  |   | TYPE OF MATERIAL  |   |   |
| [];  | <sup>a</sup> roduction Water  | [ ] Drilling Fluids   | [] Rinsate  |   |
| []]  | ank Bottoms   | Contaminated Soil   | [] Jet Out  |   |
| 2[]  | iollds ()/~   | [ ] BS&W Content:   | [] Call Out   |   |
| Description:   | <i>[L</i>   |   |   |   |
| RRC or API #   |   | La  | C-133#  |   |
| VOLUME OF MATERIAL   | []BBLS.   | : / I YARD /  | 1 <u>77 : 1</u>   |   |
| TICKET, OPERATOR/SI  | HIPPER REPRESENTS A   | CES, INC:S ACCEPTANCE OF THE I  | e material shipped  | HEREWITH IS   |
| TICKET, OPERATOR/SI<br>MATERIAL EXEMPT FR<br>TO TIME, 40 U.S.C. 6 6<br>THERETO, BY VIRTUE (<br>ASSOCIATED WITH TP<br>GEOTHERMAL ENERG<br>ALSO AS A CONDITION<br>TICKET. TRANSPORT<br>OPERATOR/SHIPPER T<br>FACILITY FOR DISPOSI<br>THIS WILL CERTIFY<br>above described location   | HIPPER REPRESENTS A<br>OM THE RESOURCE, CC<br>901, et seq., THE NM H<br>OF THE EXEMPTION AF<br>THE EXPLORATION, DEV<br>Y.<br>ON TO SUNDANCE SER<br>ER REPRESENTS AN<br>O TRANSPORTER IS N<br>AL.<br>that the above Transpo<br>on, and that it was tend  | IND WARRANTS THAT THE WAST<br>DISERVATION AND RECOVERY AC<br>EALTH AND SAF, CODE § 361.001<br>FFORDED DRILLING FLUIDS, PROT<br>VELOPMENT OR PRODUCTION OF<br>VICES, INC'S ACCEPTANCE OF THE   | E MATERIAL SHIPPED<br>T OF 1976, AS AMEND<br>et seq., AND REGULAT<br>DUCED WATERS, AND<br>F CRUDE OIL OR NAT<br>MATERIALS SHIPPED T<br>THE MATERIAL DI<br>ER TO SUNDANCE SE<br>d by this Transporter St<br>er. This will certify that | HEREWITH IS<br>ED FROM TIME<br>IONS RELATED<br>OTHER WASTE<br>URAL GAS OR<br>WITH THIS JOB<br>ELIVERED BY<br>RVICES, INC.'S |
| TICKET, OPERATOR/SI<br>MATERIAL EXEMPT FR<br>TO TIME, 40 U.S.C. 5 6<br>THERETO, BY VIRTUE O<br>ASSOCIATED WITH TP<br>GEOTHERMAL ENERG<br>ALSO AS A CONDITION<br>TICKET. TRANSPORT<br>OPERATOR/SHIPPER T<br>FACILITY FOR DISPOSI<br>THIS WILL CERTIFY<br>above described location   | HIPPER REPRESENTS A<br>OM THE RESOURCE, CC<br>901, et seq., THE NM H<br>OF THE EXEMPTION AF<br>THE EXPLORATION, DEV<br>Y.<br>ON TO SUNDANCE SER<br>ER REPRESENTS AN<br>O TRANSPORTER IS N<br>AL.<br>that the above Transpo<br>on, and that it was tend  | ND WARRANTS THAT THE WAST<br>DISERVATION AND RECOVERY AC<br>EALTH AND SAF, CODE § 361.001<br>FORDED DRILLING FLUIDS, PROF<br>ELOPMENT OR PRODUCTION OF<br>VICES, INC:S ACCEPTANCE OF THE<br>ND WARRANTS THAT ONLY<br>IOW DELIVERED BY TRANSPORT<br>INC: 1000000000000000000000000000000000000 | E MATERIAL SHIPPED<br>T OF 1976, AS AMEND<br>et seq., AND REGULAT<br>DUCED WATERS, AND<br>F CRUDE OIL OR NAT<br>MATERIALS SHIPPED T<br>THE MATERIAL DI<br>ER TO SUNDANCE SE<br>d by this Transporter St<br>er. This will certify that | HEREWITH IS<br>ED FROM TIME<br>IONS RELATED<br>OTHER WASTE<br>URAL GAS OR<br>WITH THIS JOB<br>ELIVERED BY<br>RVICES, INC.'S |
| TICKET, OPERATOR/SI<br>MATERIAL EXEMPT FR<br>TO TIME, 40 U.S.C. 5 6<br>THERETO, BY VIRTUE O<br>ASSOCIATED WITH TH<br>GEOTHERMAL ENERG<br>ALSO AS A CONDITION<br>TICKET. TRANSPORT<br>OPERATOR/SHIPPER T<br>FACILITY FOR DISPOSI<br>THIS WILL CERTIFY<br>abave described location<br>materials were added f                 | HIPPER REPRESENTS A<br>OM THE RESOURCE, CO<br>901, et seq., THE NM H<br>OF THE EXEMPTION AF<br>E EXPLORATION, DEV<br>Y.<br>ON TO SUNDANCE SER<br>ER REPRESENTS AN<br>TO TRANSPORTER IS N<br>AL.<br>that the above Transpo-<br>on, and that it was tend<br>o this load, and that the<br>CATIVE:            | ND WARRANTS THAT THE WAST<br>DISERVATION AND RECOVERY AC<br>EALTH AND SAF, CODE § 361.001<br>FORDED DRILLING FLUIDS, PROF<br>ELOPMENT OR PRODUCTION OF<br>VICES, INC:S ACCEPTANCE OF THE<br>ND WARRANTS THAT ONLY<br>IOW DELIVERED BY TRANSPORT<br>INC: 1000000000000000000000000000000000000 | E MATERIAL SHIPPED<br>T OF 1976, AS AMEND<br>et seq., AND REGULAT<br>DUCED WATERS, AND<br>F CRUDE OIL OR NAT<br>MATERIALS SHIPPED T<br>THE MATERIAL DI<br>ER TO SUNDANCE SE<br>d by this Transporter St<br>et. This will certify that | HEREWITH IS<br>ED FROM TIME<br>IONS RELATED<br>OTHER WASTE<br>URAL GAS OR<br>WITH THIS JOB<br>ELIVERED BY<br>RVICES, INC.'S |
| TICKET, OPERATOR/SI<br>MATERIAL EXEMPT FR<br>TO TIME, 40 U.S.C. § 6<br>THERETO, BY VIRTUE O<br>ASSOCIATED WITH TO<br>GEOTHERMAL ENERG<br>ALSO AS A CONDITION<br>TICKET. TRANSPORT<br>OPERATOR/SHIPPER T<br>FACILITY FOR DISPOSO<br>THIS WILL CERTIFY<br>above described location<br>materials were added to<br>DRIVER:<br> | HIPPER REPRESENTS A<br>OM THE RESOURCE, CC<br>901, et seq., THE NM H<br>OF THE EXEMPTION AI<br>E EXPLORATION, DEV<br>Y.<br>ON TO SUNDANCE SER<br>ER REPRESENTS AN<br>O TRANSPORTER IS N<br>AL<br>that the above Transpo-<br>on, and that it was tend<br>o this load, and that the<br>CLANCE CA<br>TATIVE: | ND WARRANTS THAT THE WAST<br>DISERVATION AND RECOVERY AC<br>EALTH AND SAF, CODE § 361.001<br>FORDED DRILLING FLUIDS, PROF<br>ELOPMENT OR PRODUCTION OF<br>VICES, INC:S ACCEPTANCE OF THE<br>ND WARRANTS THAT ONLY<br>IOW DELIVERED BY TRANSPORT<br>INC: 1000000000000000000000000000000000000 | E MATERIAL SHIPPED<br>T OF 1976, AS AMEND<br>et seq., AND REGULAT<br>DUCED WATERS, AND<br>F CRUDE OIL OR NAT<br>MATERIALS SHIPPED T<br>THE MATERIAL DI<br>ER TO SUNDANCE SE<br>d by this Transporter St<br>et. This will certify that | HEREWITH IS<br>ED FROM TIME<br>IONS RELATED<br>OTHER WASTE<br>URAL GAS OR<br>WITH THIS JOB<br>ELIVERED BY<br>RVICES, INC.'S |

| 111  | P.O. Box 1737 Eunice, New<br>(575) 394-25  |  | TICKET No. 43   | hjel-tek  |
|--|--|--|---|---|
|  | R/SHIPPER/COMPANY: 2   | = 7C   | <u>, , , , , , , , , , , , , , , , , , , </u>   |   |
| EASE NAME:<br>RANSPORTER<br>DATE: 7.77<br>HARGE TO:  | COMPANY: Company<br>COMPANY: Company<br>Company<br>Company: Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Company<br>Com | int /  | ATOR COMPANY KCSC   | 1 Xeepp<br>1 AMUPM<br>X 1 Te  |
|  | <u>/~ / ~</u>  |  | D NUMBER  |   |
| Descrip  | [] Production Water<br>[] Tank Bottoms<br>[] Solids  | TYPE OF MATERIAL<br>[ ] Drilling Fluids<br>[ ] Contaminated Soil<br>[ ] BS&W Content:  | [ ] Rinsate<br>[ ] Jet Out<br>[ ] Call Out  |   |
| RC or API #  |  |  | C-133#  |   |
| OLUME OF MA  | TERIAL []BBLS  | : 1 YARD 2   | <u>Z</u> : 1)_  |   |
| TICKET, OPI<br>MATERIAL E<br>TO TIME, 40<br>THERETO, 8<br>ASSOCIATE<br>GEOTHERM<br>ALSO AS A<br>TICKET. TR | ERATOR/SHIPPER REPRESENTS<br>XEMPT FROM THE RESOURCE,<br>U.S.C. § 6901, et seq., THE NM<br>Y VIRTUE OF THE EXEMPTION<br>D WITH THE EXPLORATION, DI<br>AL ENERGY.<br>CONDITION TO SUNDANCE SE<br>ANSPORTER REPRESENTS   | ICES, INC'S ACCEPTANCE OF THE<br>AND WARRANTS THAT THE WAS<br>CONSERVATION AND RECOVERY AN<br>HEALTH AND SAF. CODE § 361.001<br>AFFORDED DRILLING FLUIDS, PRO<br>EVELOPMENT OR PRODUCTION C<br>RVICES, INC'S ACCEPTANCE OF TH<br>AND WARRANTS THAT ONLY<br>NOW DELIVERED BY TRANSPOR | TE MATERIAL SHIPPED HER<br>CT OF 1976, AS AMENDED FI<br>et seq., AND REGULATIONS<br>DUCED WATERS, AND OTH<br>OF CRUDE OIL OR NATURAL<br>E MATERIALS SHIPPED WITH<br>THE MATERIAL DELIVE | EWITH IS<br>RELATED<br>RELATED<br>R WASTE<br>GAS OR<br>THIS JOB<br>RED BY |
| THIS WILL<br>above descri  | ibed location, and that it was te  | orter loaded the material represent<br>ndered by the above described ship<br>fie material was delivered without i  | per. This will certify that no a  | ent at the<br>Idditional  |

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Fewerder from: TOTALLY SHARP ADVERTISING + 432-586-5461 - ware PromoSupermarket.com

| BOLBOX 1737 Eurlice, New M<br>(575) 394-2511           |  | TICKET No. 430                             | 955 |
|--|--|--|-----|
| LEASE OPERATOR/SHIPPER/COMPANY:                        | <u>70</u><br><u>218382 - Sta</u><br><u>70776788</u><br>2 | TIME / //                                  |     |
| CHARGE TO: F 70  |  | NAME<br>2 NUMBER                           |     |
| •  | TYPE OF MATERIAL   |  |     |
| [ ] Production Water<br>[ ] Tank Bottoms<br>[ ] Solids | Drilling Fluids     Ontaminated Soll     BS&W Content:   | [ ] Rinsate<br>[ ] Jet Gut<br>[ ] Call Out |     |
| Description: 0/  |  |  |     |
| RRC or API #   | <u>Zee</u>   | C-133#                                     |     |
| VOLUME OF MATERIAL [] BBLS                             | : I YARD   | 202 : []                                   |     |

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

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

| DRIVER                   | <   |                    |  |
|--------------------------|---|--------------------|--|
| CINGMATURE)              |   |                    |  |
| FACILITY REPRESENTATIVE: | $\mathcal{D} \cap \mathcal{D} \neq \mathcal{O} \mathcal{D}$ |                    |  |
| SAMATAN                  |   |                    |  |
| White - Sundance         | Canary - Sundance Acct #1                                   | Pink - Transporter |  |
| Ba-order from: TOTAL     | lt sharp activitising - 432-546-5401 - www.prov             | 105upttmsdiat.com  |  |

| LEASE OPERATOR/SHIPPER/COMPANY:<br>LEASE NAME: MAR<br>TRANSPORTER COMPANY: MAR<br>DATE: D. 20-1-7 VEHICLE NO:<br>CHARGE TO: ETC | CENERAL CENERAL      |                          | AM/PM  |
|---|----------------------|--------------------------|--|
| TRANSPORTER COMPANY: ATA<br>DATEQ-20-1-7 VEHICLE NO:  | CENERAL GENERAL      |                          |  |
| 1 20 11   | RIGN                 | DA COMPANY<br>MAN'S NAME |  |
| CHARGETO: <u>ZETC</u>   |                      |                          |  |
|   |                      | NUMBER                   |  |
|   | TYPE OF MATERIAL     |                          |  |
| [] Production Water   | [ ] Drilling Fluids  | [] Rinsate               |  |
| [ ] Tank Bottoms  | 11 Contaminated Soil | [ ] Jet Out              |  |
| [] Solids   | [ ] BS&W Content:    | [] Call Out              |  |
| Description: //-  | •                    |                          | ana da madan<br>Mana da mana da ma |
| RC or API #   | $-\ell\ell\epsilon$  | C-133#                   |  |
| VOLUME OF MATERIAL ( ) BBLS   | : <u>1/1 yard 2/</u> | 2                        |  |

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

DRIVER: sciates FACILITY REPRESENTATIVE: CCAUTURE White - Sundance Canary - Sundance Acct #1 Pink - Transporter Re-order from TOTALLY SHARP ADVERTISHIC + 432-586-5401 - www.PromoSupermarket.com

| su   | NDANCE SERV<br>P.O. Box 1737 Eunice, New /<br>(575) 394-2511 | Aexico 88231   | TICKET No. 4310                            | 51    |
|--|--|--|--|-------|
| LEASE OPERATO<br>LEASE NAME: (<br>TRANSPORTER C<br>DATE: ( |  | C<br>Here Stations<br>Emport   |  | AMUPM |
| CHARGE TO:   | -16  |  | IS NAME                                    |       |
|  |  | TYPE OF MATERIAL   |  |       |
|  | [ ] Production Water<br>[ ] Tank Bottoms<br>[ ] Solids       | I Drilling Fluids     F 1 Contaminated Soil     I 3 BS&W Content:  | 〔〕] Rinsate<br>〔〕] Jet Out<br>〔〕] Call Out |       |
| Descript   | ion:   | O  |  |       |
| RRC or API #   |  | and an and a second | C-133#                                     |       |
| VOLUME OF MAT  | ERIAL []BBLS.  | : [/] YARD   | ]; []                                      |       |

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| DRIVER:                  | ric fel   |                    |  |
|--------------------------|---|--------------------|--|
| FACILITY REPRESENTATIVE: | ratherica                                       | <b>)</b>           |  |
| White - Sundance         | Canary - Sundance Acct #1                       | Pink - Transporter |  |
| For order from: 10184.   | LY SHAAP ADVERTISING - 432-386-3401 - WWW.Prome | Supermutation      |  |

| all_ su   | NDANCE SERV<br>P.O. Box 1737 Eunice, New N<br>(575) 394-2511 | VICES, Inc.  | TICKET No. 431052  |
|---|--|--|--|
| LEASE OPERATOR<br>LEASE NAME:<br>TRANSPORTER CO | MSHIPPER/COMPANY:  | E Stating  |  |
| DATE:   |  | L-GENERA   | CORCOMMANY AND A CONTRACT OF CONTRACT. |
| CHARGE TO:                                      | 76   |  | NAME 437-410-51471   |
|   |  | TYPE OF MATERIAL                                       |  |
|   | I ] Production Water<br>I ] Tank Bottoms<br>I ] Solids       | Drilling Fluids     Ontaminated Soll     SS&W Content: | [ ] Rinsate<br>[ ] Jet Out<br>[ ] Call Out   |
| Descripti                                       | on:  | 010  |  |
| RRC or API #                                    |  |  | C-133#   |
| VOLUME OF MAT                                   | ERIAL []BBLS   | : YARD   | Q: []  |

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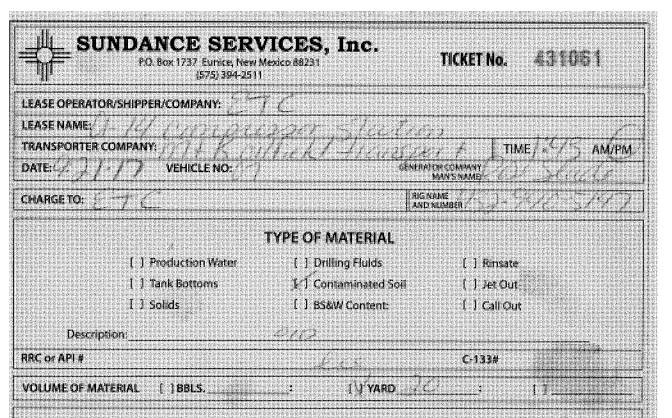
| DRIVER: Died         | 1   |                    |  |
|----------------------|---|--------------------|--|
|                      | 176 Stein                                     |                    |  |
| Sachung              |   |                    |  |
| White - Sundance     | Canary - Sundance Acct #1                     | Pink - Transporter |  |
| Na-sidar from: 101A1 | ly sharp advertising +432-588-5401 + mww.prom | nsugmarriarkat.com |  |

| (575) 394-251                   | Mexico 88231          | TICKET No. 43105 |                                       |
|---------------------------------|-----------------------|------------------|---------------------------------------|
| LEASE OPERATOR/SHIPPER/COMPANY: | $I \subset I$         |                  | ***                                   |
| LEASE NAME: CI- 14, CORAD       | CLUPE STITLE          |                  | i i i i i i i i i i i i i i i i i i i |
| TRANSPORTER COMPANY:            |                       | TIME/ C 7        | AMZEM                                 |
| DATE: / / / / VEHICLE NO:       |                       | CR CDMPANY       |                                       |
| CHARGE TO: 2 T C                | ALC N<br>AND          | AME 752 • 740    | 579                                   |
|                                 | TYPE OF MATERIAL      |                  |                                       |
| [ ] Production Water            | [ ] Drilling Fluids   | [] Rinsate       |                                       |
| [ ] Tank Bottoms                | Y I Contaminated Soll | []] Jet Out      |                                       |
| [ ] Solids                      | 1 BS&W Content:       | []] Call Out     |                                       |
| Description:                    | CID                   |                  |                                       |
| RRC or API #                    | L.C                   | C-133#           |                                       |
| MAL OF AFT #                    |                       |                  |                                       |

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

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| White - Sundance  | Canary - Sundance Acct #1 | Pink - Transporter |           |
|---|---------------------------|--------------------|-----------|
| a de la companya de l | GMDINE                    | LL Same            |           |
| DRIVER:   | Sarcher                   |                    | italiane. |



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

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| DRIVER: Jakone           |   |                    |  |
|--------------------------|---|--------------------|--|
| LIPUVER:                 | 17 11   |                    |  |
| FACILITY REPRESENTATIVE: | Schalsfre                                       | $\mathcal{K}$      |  |
| CREMATURE                | r   |                    |  |
| White - Sundance         | Canary - Sundance Acct #1                       | Pink - Transporter |  |
| Re-order from TOTA       | LLY SHARP ADVERTSING - 412-584-5401 - WAVE PERM | 15                 |  |

| BO. Box 1737 Eunice, New M                             |  | TICKET No. 431                             | 962     |
|--|--|--|---------|
| LEASE OPERATOR/SHIPPER/COMPANY:                        | Contraction of the Contraction o |  | S AM/PM |
| CHARGETO:  |  | NAME 19974C                                |         |
|  | TYPE OF MATERIAL   |  |         |
| [ ] Production Water<br>[ ] Tank Bottoms<br>[ ] Solids | Drilling Fluids     Contaminated Soil     BS&W Content:  | [ ] Rinsate<br>[ ] Jet Out<br>[ ] Call Out |         |
| Description:   | <u>970</u>   |  |         |
| RRC of API #   |  | C-133#                                     |         |
| VOLUME OF MATERIAL [ ] BBLS                            | : MY YARD  | <u>, c.</u> ; []                           |         |

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| White - Sund                | ance              | Canary - Sundance Acct #1 | Pink - Transporter |  |
|-----------------------------|-------------------|---------------------------|--------------------|--|
| FACILITY REPRESENTATIV      | /E:<br>(S)SHATIME | Act Hard Street           |                    |  |
| 434544714E                  | C.,               | S. 51/2                   |                    |  |
| DRIVER: / 2 / / / / / / / / | er e ste          |                           |                    |  |

|                                     | NCE SERV<br>. Box 1737 Eunice, New Me<br>(575) 394-2511 |   | TICKET No.                                 | 431066   |
|-------------------------------------|---|---|--|----------|
| LEASE OPERATOR/SHIPP<br>LEASE NAME: | ( Company   |   |  | - CCAMPM |
| CHARGE TO:                          |   |   | RIG NAME<br>AND NUMBER                     | 140.514  |
|                                     | Т   | YPE OF MATERIAL   |  |          |
| 11                                  | Production Water<br>Tank Bottoms<br>Solids              | [ ], Drilling Fluids<br>)<br>[ ] Contaminated Soil<br>[ ] 85&W Content: | [ ] Rinsate<br>[ ] Jet Out<br>[ ] Call Out |          |
| Description:                        |   | 412   |  |          |
| RRC or API #                        |   | L.L.L.  | C-133#                                     |          |
| VOLUME OF MATERIAL                  | 1 188LS   | _: [/] YARD_  | $\geq \phi$ :                              | [1]      |

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

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DAWERS .843404.71.0483 **FACILITY REPRESENTATIVE** ecarne: White - Sundance Canary - Sundance Acct #1 Pink-Transporter lar-order from: TCTALLY SHAPP ACHTERISHES + 402-586-5401 + weaw PromoSupermanieLoope

|  | ANCE SERV<br>PO. Box 1737 Eunice, New M<br>(575) 394-2511 |  | TICKET No.                                 | 431070    |
|--|---|--|--|-----------|
| LEASE OPERATOR/SHIF<br>LEASE NAME:<br>TRANSPORTER COMPA<br>DATE: | 14 and  | usser sta<br>urlat   |  | 2-35 AMPM |
| CHARGE TO: 7   | C   |  | HIG NAME 4/3/-                             | 2412-519  |
|  | 1   | YPE OF MATERIAL  |  |           |
| t<br>I<br>I  | ] Production Water<br>] Tank Bottoms<br>] Solids          | [ ] Drilling Fluids<br>DI-Contaminated Soil<br>[ ] BS&W Content: | [ ] Rinsate<br>[ ] Jet Out<br>[ ] Call Out |           |
| Description:   |   | 010  |  |           |
| RRC or API #   |   | Lie  | C-133#                                     |           |
| VOLUME OF MATERIAL   | [ ] 88LS  | : [`)/YARD_  | <u> </u>                                   | []        |

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|          | <u>, a</u>          |  |                    |  |
|----------|---------------------|--|--------------------|--|
| DRIVER:  | RICGrdo             | · Dugz                                       |                    |  |
| ß        | SCAUTUR:            |  |                    |  |
| FACILITY | REPRESENTATIVE:     | 1 AVRETT                                     | Ter-               |  |
|          | BISANGE             | $\geq$ $\sim$ $\sim$                         |                    |  |
|          | White - Sundance    | Canary - Sundance Acct #1                    | Pink - Transporter |  |
|          | Re-order from TOTAL | 14 Small Alventista: 433-516-5461 - 1000 Pro | antiace market com |  |

| SUND/   | ANCE SERV<br>O. Box 1737 Eurice, New M<br>(575) 394-2511 | /ICES, Inc.   | TICKET No.                                      | 431071     |
|---|--|---|---|------------|
| LEASE OPERATOR/SHIP<br>LEASE NAME:<br>TRANSPORTER COMPAN<br>DATE: | March 11   | t C<br>Hick to the Constant of th | CENERATOR COMPANY<br>MAN'S NUME                 | 2:38 AM/PM |
| CHARGE TO:  | 76   |   | RIG NAME<br>AND NUMBER 4                        | 240-5143   |
|   |  | TYPE OF MATERIA   |   |            |
|   | Production Water<br>Tank Bottoms<br>Solids               | [ ] Drilling Fluids<br>Dri Contaminated !<br>[ ] BS&W Content:  | [ ] Rinsate<br>Soll [ ] Jet Out<br>[ ] Call Out |            |
| Description:  |  | 010   |   |            |
| RRC or API #  |  | 100   | C-193#  |            |
| VOLUME OF MATERIAL  | [ ]BBLS  | : (j) <sup>/</sup> YARI   | ⊃ <u>, ,</u> :                                  | 11         |

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

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

DRIVER

FACILITY REPRESENTATIVE:

RY647129

White - Sundance

n Gulling

Canary - Sundance Acct #1

Re-order from TOTALLY SHARP ACTIVITIZING - 432-596-5431 - www.PrinteSupermarket.com

Pink - Transporter

| su   | P.O. Box 1737 Eunice, New /<br>(575) 394-2511      | Mexico 88231  | TICKET No.                                 | 431072                      |
|--|--|---|--|-----------------------------|
| LEASE OPERATO<br>LEASE NAME:<br>TRANSPORTER O<br>DATE: |  |   |  | terre and the second second |
| CHARGE TO:   | Etc  |   | NAME                                       | 40.5314                     |
|  |  | TYPE OF MATERIAL  |  |                             |
|  | I Production Water     I Tank Bottoms     I Solids | [ ] Drilling Fluids<br>[ ] Contaminated Soll<br>[ ] 85&W Content: | [ ] Rinsate<br>[ ] Jet Out<br>[ ] Call Out |                             |
| Descript   | lione  | 010   |  |                             |
| RAC or API #   |  | -Lis  | C-133#                                     |                             |
| VOLUME OF MAT  | TERIAL []BBLS                                      | : 1-1 YARD  | <u>201 : 1</u>                             | ]                           |

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|                   | mland                  | <u>782</u>                               |                              | unadarang. |
|-------------------|------------------------|--|------------------------------|------------|
| FACILITY REPRESEN |                        | ardsei                                   | u co                         |            |
| White -           | Sundance               | Canary - Sundance Acct #1                | Pink - Transporter           |            |
|                   | Am-order from: TOTALLY | SHARP ADVERTISING - 433-586-5461 - waare | Gerna Stag-nerman Stationsmi |            |

|                | NDANCE SERV<br>P.O. Box 1737 Eunice, New A<br>(575) 394-2511 |                     | TICKET No. 4310 | 88    |
|----------------|--|---------------------|-----------------|-------|
| LEASE OPERATOR | R/SHIPPER/COMPANY:   | 1                   |                 |       |
| LEASE NAME:    | -14 ( Cm V   | Warder Sta          | Tico            |       |
| TRANSPORTER C  | OMPANY: 4  |                     | TIME C/. ()     | AM/PM |
| DATE: /- [] -  | VEHICLE NO:  | GENERAT             | DR COMPANY      |       |
| CHARGE TO:     | $\exists < \Box$   | 186N                |                 |       |
|                |  | TYPE OF MATERIAL    |                 |       |
|                | [] Production Water  | [ ] Drilling Fluids | ( ) Rinsate     |       |
|                | [ ] Tank Bottoms   | Y Contaminated Soil | [ ] Jet Out     |       |
|                | [] Solids  | [ ] BS&W Content:   | [ ] Call Out    |       |
| Descripti      | on   | C112                |                 |       |
| RRC or API #   |  | 6-6                 | C-133#          |       |
| VOLUMEOFMAT    | ERIAL [] BBLS.   | : VI YARD - C       | 3 : 11          |       |

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

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

| DRIVER:                  | <u>Janaco</u> (                                  | s-                      |  |
|--------------------------|--|-------------------------|--|
| FACILITY REPRESENTATIVE: | XITCLY   |                         |  |
| White - Sundance         | Canary - Sundance Acct #1                        | Pink - Transporter      |  |
| Re-order from TCTA       | LLY SHARP ACMENTISING + 432-586-5481 + WAVEProto | Stappen and and account |  |

|  | P.O. Box 1737 Eunice, New<br>(575) 394-251   | A LEAD AT A COMPANY AND A COMPANY A | TICKET No. 431183  |
|--|--|---|--|
| EASE OPERATOR/SHIP   | PER/COMPANY:   | 70  |  |
| EASE NAME:   | <u>CCMCCCC</u><br>NY: 5 10 1   |   | ITIME CHAMPA   |
| MTE-//))-/7  | VEHICLE NO:  | <u>3 COLIS P. A. F.</u><br>Cy   | TIME 7. 75 AM/PA   |
| HARGE TO:  | TC   |   | NAME 453.440.5797  |
|  |  | TYPE OF MATERIAL  |  |
| 1  | ] Production Water   | [ ] Drilling Fluids   | [] Rinsate   |
| 1.   | ] Tank Bottoms   | [ ] Contaminated Soll   | [] Jet Out   |
| .1.  | 3 Solids   | I 1 85&W Content:   | [ ] Call Out   |
| Description:   |  | <u> </u>  |  |
| RC or API #  |  | Z < A   | C-133#   |
| OLUME OF MATERIAL  | [ ] BBLS   | : ) YARD  |  |
|  |  |   |  |
| TICKET, OPERATOR<br>MATERIAL EXEMPT<br>TO TIME, 40 U.S.C. §<br>THERETO, BY VIRTU<br>ASSOCIATED WITH<br>GEOTHERMAL ENER   | VSHIPPER REPRESENTS<br>FROM THE RESOURCE, C<br>5 6901, et seq., THE NM H<br>E OF THE EXEMPTION A<br>THE EXPLORATION, DE<br>RGY.  | AND WARRANTS THAT THE WAST<br>ONSERVATION AND RECOVERY AC<br>TEALTH AND SAF. CODE § 361.001<br>(FFORDED DRILLING FLUIDS, PROI<br>VELOPMENT OR PRODUCTION O  | MATERIALS SHIPPED WITH THIS JOB<br>TE MATERIAL SHIPPED HEREWITH IS<br>T OF 1976, AS AMENDED FROM TIME<br>et seq., AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE<br>F CRUDE OIL OR NATURAL GAS OR  |
| TICKET, OPERATOR<br>MATERIAL EXEMPT<br>TO TIME, 40 U.S.C. 4<br>THERETO, BY VIRTU<br>ASSOCIATED WITH<br>GEOTHERMAL ENEP<br>ALSO AS A CONDI<br>TICKET. TRANSPOR  | VSHIPPER REPRESENTS<br>FROM THE RESOURCE, C<br>5 6901, et seq., THE NM H<br>E OF THE EXEMPTION A<br>THE EXPLORATION, DE<br>RGY.<br>THON TO SUNDANCE SER<br>RTER REPRESENTS A<br>R TO TRANSPORTER IS  | AND WARRANTS THAT THE WAST<br>ONSERVATION AND RECOVERY AC<br>TEALTH AND SAF, CODE § 361,001<br>FFORDED DRILLING FLUIDS, PROI<br>VELOPMENT OR PRODUCTION O<br>RVICES, INC'S ACCEPTANCE OF THE<br>ND WARRANTS THAT ONLY   | TE MATERIAL SHIPPED HEREWITH IS<br>TOF 1976, AS AMENDED FROM TIME<br>et seq., AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE<br>F CRUDE OIL OR NATURAL GAS OR<br>E MATERIALS SHIPPED WITH THIS JOB   |
| TICKET, OPERATOR<br>MATERIAL EXEMPT<br>TO TIME, 40 U.S.C. 4<br>THERETO, BY VIRTU<br>ASSOCIATED WITH<br>GEOTHERMAL ENER<br>ALSO AS A CONDI<br>TICKET. TRANSPO<br>OPERATOR/SHIPPEF<br>FACILITY FOR DISPO<br>THIS WILL CERTIF<br>above described loco | VSHIPPER REPRESENTS<br>FROM THE RESOURCE, C<br>5 6901, et seq., THE NM H<br>E OF THE EXEMPTION A<br>THE EXPLORATION, DE<br>RGY.<br>TION TO SUNDANCE SEF<br>RTER REPRESENTS A<br>R TO TRANSPORTER IS<br>SAL.<br>FY that the above Transport<br>ation, and that it was ten | AND WARRANTS THAT THE WAST<br>ONSERVATION AND RECOVERY AC<br>IEALTH AND SAF. CODE § 361.001<br>FFORDED DRILLING FLUIDS, PROI<br>VELOPMENT OR PRODUCTION O<br>RVICES, INC'S ACCEPTANCE OF THE<br>ND WARRANTS THAT ONLY<br>NOW DELIVERED BY TRANSPORT   | TE MATERIAL SHIPPED HEREWITH IS<br>TOF 1976, AS AMENDED FROM TIME<br>et seq., AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE<br>F CRUDE OIL OR NATURAL GAS OR<br>MATERIALS SHIPPED WITH THIS JOB<br>THE MATERIAL DELIVERED BY<br>THE MATERIAL DELIVERED BY<br>THE TO SUNDANCE SERVICES, INC.'S<br>ad by this Transporter Statement at the<br>per. This will certify that no additional |
| TICKET, OPERATOR<br>MATERIAL EXEMPT<br>TO TIME, 40 U.S.C. 4<br>THERETO, BY VIRTU<br>ASSOCIATED WITH<br>GEOTHERMAL ENER<br>ALSO AS A CONDI<br>TICKET. TRANSPO<br>OPERATOR/SHIPPEF<br>FACILITY FOR DISPO<br>THIS WILL CERTIF<br>above described loco | VSHIPPER REPRESENTS<br>FROM THE RESOURCE, C<br>5 6901, et seq., THE NM H<br>E OF THE EXEMPTION A<br>THE EXPLORATION, DE<br>RGY.<br>TION TO SUNDANCE SEF<br>RTER REPRESENTS A<br>R TO TRANSPORTER IS<br>SAL.<br>FY that the above Transport<br>ation, and that it was ten | AND WARRANTS THAT THE WAST<br>ONSERVATION AND RECOVERY AC<br>IEALTH AND SAF, CODE § 361,001<br>FFORDED DRILLING FLUIDS, PROI<br>VELOPMENT OR PRODUCTION O<br>RVICES, INC'S ACCEPTANCE OF THE<br>ND WARRANTS THAT ONLY<br>NOW DELIVERED BY TRANSPORT<br>Offer loaded the material represente<br>idered by the above described shipp  | TE MATERIAL SHIPPED HEREWITH IS<br>TOF 1976, AS AMENDED FROM TIME<br>et seq., AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE<br>F CRUDE OIL OR NATURAL GAS OR<br>MATERIALS SHIPPED WITH THIS JOB<br>THE MATERIAL DELIVERED BY<br>THE MATERIAL DELIVERED BY<br>THE TO SUNDANCE SERVICES, INC.'S<br>ad by this Transporter Statement at the<br>per. This will certify that no additional |

Be-order from: TOTALLY SHARP ADVERTISING + 432-566-540 ) - www.PromoSuparmarkas.com

| LEASE OPERATOR/SHIPPER/COMPANY: | TC   |  |
|---------------------------------|--|--|
| LEASE NAME: (1-14) CONCINCIO    | 200 Statur B   | March March                              |
| TRANSPORTER COMPANY: 704 Cont   | Free ( d   | TIME /. S/ (AM/PN                        |
| DATE: / / VEHICLE NO: /         | GENERA   | IOR COMPANY<br>MAN'S NAME: 201, C 101/10 |
| CHARGE TO: 4                    | RIG I<br>AND   | (AME 2/3)-94/7+5/4/                      |
|                                 | TYPE OF MATERIAL   |  |
| [] Production Water             | [ ] Drilling Fluids  | [ ] Rinsate                              |
| [ ] Tank Bottoms                | [2] Contaminated Soll  | [] Jet Out                               |
| [ ] Solids                      | [ ] BS&W Content:  | 〔〕 Call Out                              |
| Description:                    | 0/10   |  |
| RRC or API #                    | Let a start of the | C-133#                                   |
| VOLUME OF MATERIAL [] BBLS      | : M YARD   | <i>U</i> : []                            |

THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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

| An-order from: TOTA      | LL'SHARP ADVIRTISING - 412-SEC 5401 - www.Prom | utiusermentet.com  |  |
|--------------------------|--|--------------------|--|
| White - Sundance         | Canary - Sundance Acct #1                      | Pink - Transporter |  |
| SEGATURO                 |  |                    |  |
| FACILITY REPRESENTATIVE: | 1 and Feller Same                              |                    |  |
| (SKGALALAE)              |  |                    |  |
| DRIVER:                  |  |                    |  |
|                          |  |                    |  |

| III (575) 394-2  | ew Mexico 88231<br>511  | TICKET No. 431185  |
|--|---|--|
| EASE OPERATOR/SHIPPER/COMPANY:   | TC  | 27 0   |
| RANSPORTER COMPANY:  | antiell -hans   | TIME 7. 5 AM/PM  |
| HARGETO: 477   |   | MMBER 53-140-51517   |
|  | TYPE OF MATERIAL  |  |
| [ ] Production Water<br>[ ] Tank Bottoms<br>[ ] Solids   | [ ] Drilling Fluids<br>[ ] Contaminated Soll<br>[ ] BS&W Content;   | [] Rinsate<br>[] Jet Out<br>[] Call Out  |
| Description:   | 6113  |  |
| RC or API #  |   | 74_ C-133#   |
| OLUME OF MATERIAL [] BBLS  | : [*] YARD  |  |
| AS A CONDITION TO SUNDANCE SET   | WICES, INC'S ACCEPTANCE OF THE I  | MATERIALS SHIPPED WITH THIS JOB  |
| AS A CONDITION TO SUNDANCE SET<br>TICKET, OPERATOR/SHIPPER REPRESENT<br>MATERIAL EXEMPT FROM THE RESOURCE<br>TO TIME, 40 U.S.C. § 6901, et seq., THE N/<br>THERETO, BY VIRTUE OF THE EXEMPTION<br>ASSOCIATED WITH THE EXPLORATION, I<br>GEOTHERMAL ENERGY.<br>ALSO AS A CONDITION TO SUNDANCE<br>TICKET. TRANSPORTER REPRESENTS<br>OPERATOR/SHIPPER TO TRANSPORTER<br>FACILITY FOR DISPOSAL.   | 5 AND WARRANTS THAT THE WAST<br>CONSERVATION AND RECOVERY AC<br>4 HEALTH AND SAF. CODE § 361.001 (<br>A AFFORDED DRILLING FLUIDS, PROD<br>DEVELOPMENT OR PRODUCTION OF<br>SERVICES, INC.'S ACCEPTANCE OF THE<br>AND WARRANTS THAT ONLY  | E MATERIAL SHIPPED HEREWITH IS<br>FOF 1976, AS AMENDED FROM TIME<br>M seq., AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE<br>CRUDE OIL OR NATURAL GAS OR<br>MATERIALS SHIPPED WITH THIS JOB<br>THE MATERIAL DELIVERED BY  |
| TICKET, OPERATOR/SHIPPER REPRESENT<br>MATERIAL EXEMPT FROM THE RESOURCE<br>TO TIME, 40 U.S.C. § 6901, et seq., THE N/<br>THERETO, BY VIRTUE OF THE EXEMPTION<br>ASSOCIATED WITH THE EXPLORATION, I<br>GEOTHERMAL ENERGY.<br>ALSO AS A CONDITION TO SUNDANCE S<br>TICKET. TRANSPORTER REPRESENTS<br>OPERATOR/SHIPPER TO TRANSPORTER   | 5 AND WARRANTS THAT THE WAST<br>5, CONSERVATION AND RECOVERY AC<br>4 HEALTH AND SAF, CODE § 361,001 (<br>4 AFFORDED DRILLING FLUIDS, PROD<br>DEVELOPMENT OR PRODUCTION OF<br>SERVICES, INC'S ACCEPTANCE OF THE<br>AND WARRANTS THAT ONLY<br>5 NOW DELIVERED BY TRANSPORTI<br>sporter loaded the material representes<br>tendered by the above described shipp | E MATERIAL SHIPPED HEREWITH IS<br>FOF 1976, AS AMENDED FROM TIME<br>At seq., AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE<br>CRUDE OIL OR NATURAL GAS OR<br>MATERIALS SHIPPED WITH THIS JOB<br>THE MATERIAL DELIVERED BY<br>ER TO SUNDANCE SERVICES, INC.'S<br>Thy this Transporter Statement at the<br>er. This will certify that no additional |
| TICKET, OPERATOR/SHIPPER REPRESENT<br>MATERIAL EXEMPT FROM THE RESOURCE<br>TO TIME, 40 U.S.C. § 6901, et seq., THE N/<br>THERETO, BY VIRTUE OF THE EXEMPTION<br>ASSOCIATED WITH THE EXPLORATION, I<br>GEOTHERMAL ENERGY.<br>ALSO AS A CONDITION TO SUNDANCE S<br>TICKET. TRANSPORTER REPRESENTS<br>OPERATOR/SHIPPER TO TRANSPORTER<br>FACILITY FOR DISPOSAL.<br>THIS WILL CERTIFY that the above Tran<br>above described location, and that it was | 5 AND WARRANTS THAT THE WAST<br>5, CONSERVATION AND RECOVERY AC<br>4 HEALTH AND SAF, CODE § 361,001 (<br>4 AFFORDED DRILLING FLUIDS, PROD<br>DEVELOPMENT OR PRODUCTION OF<br>SERVICES, INC'S ACCEPTANCE OF THE<br>AND WARRANTS THAT ONLY<br>5 NOW DELIVERED BY TRANSPORTI<br>sporter loaded the material representes<br>tendered by the above described shipp | E MATERIAL SHIPPED HEREWITH IS<br>TOF 1976, AS AMENDED FROM TIME<br>It seq. AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE<br>CRUDE OIL OR NATURAL GAS OR<br>MATERIALS SHIPPED WITH THIS JOB<br>THE MATERIAL DELIVERED BY<br>ER TO SUNDANCE SERVICES, INC'S<br>Toy this Transporter Statement at the<br>er. This will certify that no additional   |

| P:O. Box 1737 Eurolee, New /<br>(575) 394-2511   |  | TICKET No. 431191   |
|--|--|---|
| LEASE OPERATOR/SHIPPER/COMPANY:  | TC   |   |
|  | ur Thinke Be   | laa -   |
| TRANSPORTER COMPANY: 1774 K CT   | held thearpe   | TIME / ()   |
| DATE: 422 / VEHICLE NO: 13   | GENER  | CORPANY ////////////////////////////////////  |
| CHARGE TO: / T   |  | NAME<br>DNUMBER   |
|  |  |   |
|  | TYPE OF MATERIAL   |   |
| [ ] Production Water<br>[ ] Tank Bottoms   | [] Drilling Fluids   | [] Rinsate  |
| I I Tank Bottoms   | Contaminated Soll     BS&W Content:  | [] Jet Out  |
|  | L J DOAN CONTENT;  | [ ] Call Out  |
| Description:   |  |   |
| RC or API #  |  | C-133#  |
| VOLUME OF MATERIAL [] BBLS   | : [/] YARD   | - : ()  |
| TICKET, OPERATOR/SHIPPER REPRESENTS /<br>MATERIAL EXEMPT FROM THE RESOURCE CO  | IND WARRANTS THAT THE WAST<br>ONSERVATION AND RECOVERY AC  | T OF 1976, AS AMENDED FROM TIME   |
| TO TIME, 40 U.S.C. § 6901, et seq., THE NM H<br>THERETO, BY VIRTUE OF THE EXEMPTION AI<br>ASSOCIATED WITH THE EXPLORATION, DEV<br>GEOTHERMAL ENERGY.   | EALTH AND SAF. CODE § 361.001<br>FFORDED DRILLING FLUIDS, PRO  | et seq., AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE   |
| TO TIME, 40 U.S.C. § 6901, et seq., THE NM H<br>THERETO, BY VIRTUE OF THE EXEMPTION A<br>ASSOCIATED WITH THE EXPLORATION, DEV<br>GEOTHERMAL ENERGY.<br>ALSO AS A CONDITION TO SUNDANCE SER   | EALTH AND SAF, CODE § 361,001<br>FFORDED DRILLING FLUIDS, PRO<br>/ELOPMENT OR PRODUCTION O<br>VICES, INC'S ACCEPTANCE OF THE<br>ND WARRANTS THAT ONLY  | et seq., AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE<br>F CRUDE OIL OR NATURAL GAS OR<br>MATERIALS SHIPPED WITH THIS JOB<br>THE MATERIAL DELIVERED BY  |
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| TO TIME, 40 U.S.C. § 6901, et seq. THE NM H<br>THERETO, BY VIRTUE OF THE EXEMPTION AI<br>ASSOCIATED WITH THE EXPLORATION, DEV<br>GEOTHERMAL ENERGY.<br>ALSO AS A CONDITION TO SUNDANCE SER<br>TICKET. TRANSPORTER REPRESENTS AI<br>OPERATOR/SHIPPER TO TRANSPORTER IS N<br>FACILITY FOR DISPOSAL.<br>THIS WILL CERTIFY that the above Transpo<br>above described location, and that it was tend  | EALTH AND SAF, CODE § 361,001<br>FFORDED DRILLING FLUIDS, PRO<br>(ELOPMENT OR PRODUCTION O<br>VICES, INC'S ACCEPTANCE OF THE<br>ND WARRANTS THAT ONLY<br>IOW DELIVERED BY TRANSPORT<br>IOW DELIVERED BY TRANSPORT<br>INTEr loaded the material represente<br>dered by the above described ship | et seq., AND REGULATIONS RELATED<br>DUCED WATERS, AND OTHER WASTE<br>F CRUDE OIL OR NATURAL GAS OR<br>MATERIALS SHIPPED WITH THIS JOB<br>THE MATERIAL DELIVERED BY<br>ER TO SUNDANCE SERVICES, INC.'S<br>ad by this Transporter Statement at the<br>per, This will certify that no additional |
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| 51 Martin<br>1-941-514 |
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| DRIVER:                  | minez  |                    |  |
|--------------------------|--|--------------------|--|
| FACILITY REPRESENTATIVE: | and fell   | <u> </u>           |  |
| White - Sundance         | Canary - Sundance Acct M1                        | Pink - Transporter |  |
| Re-order from: TOTA      | LLY SHAIP ADAMPTISING - 418-346-5461 - MWAUPTONI | iuphittarbat again |  |

| LEASE OPERATOR/SHIPPER/COMPANY: | $\mathcal{I} \subset \mathcal{I}$ |                 |              |
|---------------------------------|-----------------------------------|-----------------|--------------|
| EASE NAME: 1 101 COULD          | + 2200 3440                       | tra Della       | i de la come |
| RANSPORTER COMPANY: 1774K 20    | H.e.U                             | TIME/           | AM/PN        |
| DATE VEHICLE NO:                | GE                                | NERATOR COMPANY | S (17/17     |
| HARGE TO: CTT                   |                                   | RIGNAME         |              |
|                                 |                                   | AND NUMBER      |              |
|                                 | TYPE OF MATERIAL                  |                 |              |
| [ ] Production Water            | [] Drilling Fluids                | [] Rinste       |              |
| [ ] Tank Bottoms                | I Contaminated Soil               | [] Jet Out      |              |
| [ ] Solids                      | I J BS&W Content:                 | [] Call Out     |              |
| Description:                    | an                                |                 |              |
| RC or API #                     |                                   | C-133#          |              |
| OLUME OF MATERIAL [] BBLS       | : [/] YARD_                       |                 | 1            |

MIATERIAL EXEMPT PROM THE RESUURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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|                  |                | ······································ | 1 11 111 11 11 12 12 12 12 12 12 12 12 1 |  |
|------------------|----------------|--|--|--|
| White            | - Sundance     | Canary - Sundance Acct #1              | Pink - Transporter                       |  |
| FACILITY REPRESE |                | 2.11.1                                 |  |  |
| DRIVER:          | <u>a belgi</u> | <u>1-2/2</u>                           |  |  |

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

|   | ,  | ,   |   | 3  | anta F                         | re, NM $\delta/2$   | 05                                       |                                      |                                    |  |   |                                |                                      |
|---|--|---|---|--|--------------------------------|---|--|--------------------------------------|------------------------------------|--|---|--------------------------------|--------------------------------------|
|   |  |   | Rele  | ase Notifi   | catio                          | on and Co   | orrectiv                                 | ve Act                               | tion                               |  |   |                                |                                      |
| •   |  |   |   |  |                                | • <b>OPERATOR</b> Initial Report                            |  |                                      |                                    | Final Report   |   |                                |                                      |
| Name of Company: ETC Field Services, LLC                        |  |   |   |  |                                | Contact: Ro   |  |                                      |                                    |  |   |                                |                                      |
| Address: 800 East Sonterra Rd. Suite 2 San Antonio, TX<br>78249 |  |   |   |  |                                | Telephone No. 210-403-6525                                  |  |                                      |                                    |  |   |                                |                                      |
| Facility Na   | me: A-14 (   | Below Grou  | nd Sump   | )  |                                | Facility Typ  | e: Gather                                | ing Pipe                             | line                               |  |   |                                |                                      |
| Surface Owner: (BLM) Bureau of Land Mineral Owner<br>Management |  |   |   |  | Owner                          | r: N/A API No. N/A  |  |                                      |                                    |  |   |                                |                                      |
| Wanageme  |  |   |   | LOC  | ATIO                           | ON OF RE  | LEASE                                    |                                      |                                    |  |   |                                |                                      |
| Unit Letter   | Section<br>6   | Township<br>24S                                   | Range<br>35E  | Feet from the  |                                | h/South Line  | Feet from                                | n the H                              | East/Wes                           | st Line  | County:<br>Lea                              |                                |                                      |
|   |  |   |   | Latitude: 32.  | 24618                          | 33 ongitude   | : -103.4                                 | 102000                               | 7                                  |  |   |                                |                                      |
|   |  |   |   | NAT  | ſURŀ                           | E OF REL  | EASE                                     |                                      |                                    |  |   |                                |                                      |
| 21  |  | Oil/ Produced                                     |   |  |                                | Volume of I   | Release: <5                              |                                      |                                    |  | Recovered:                                  |                                |                                      |
| Source of Re  | elease: Below  | w Ground Sur                                      | np  |  |                                | Date and Ho<br>Unknown                                      | our of Occu                              | urrence:                             | E                                  | Date and   | Hour of Dis                                 | covery                         | : 2/23/17                            |
| Was Immed   | iate Notice C  |   | Vac N   | No □ Not   |                                | If YES, To  |  | ta Ma O                              | linia Va                           | 2/2/   | 17  |                                | - 9.10 AM                            |
| Required  |  | L   | Yes 🗵   |  |                                | Notification  | was made                                 | to Ms. O                             | iivia ru                           | on 3/3/  | i / at appros                               | imatery                        | 8.19 AM                              |
| By Whom?  |  |   |   |  |                                | Date and Hour:<br>If YES, Volume Impacting the Watercourse. |  |                                      |                                    |  |   |                                |                                      |
| Was a Water   | course Read  |   | Yes 🖂   | No   |                                | If YES, Vol   | ume Impac                                | cting the                            | Waterco                            | urse.  |   |                                |                                      |
| If a Watercourse was Impacted, Describe Fully.* N/A             |  |   |   |  |                                | RECE  | IVE                                      | D –                                  |                                    |  |   |                                |                                      |
|   |  |   | 2   |  |                                |   | By Oli                                   | via Yı                               | ı at 1                             | 2:56   | pm, Ma                                      | ar 09                          | 9, 2017                              |
| ground sump   | located ins  | ide the ETC A                                     | A-14 Com  | n Taken.* On 2/2<br>pressor Station.<br>I a vacuum truck   | The car                        | use of the relea  | se was due                               | e to an ove                          | er-run of                          | f the belo   | ow ground s                                 | ump. I                         | During the                           |
| ran outside t   | he tank mov  | ing toward th                                     | e southwe   | ten.* The area af<br>st of the facility of<br>and will submit a                                    | outside                        | the fence line.   | ETC repr                                 | resentative                          | e and an                           | environ  | mental cons                                 | ultant r                       | representing                         |
| regulations a<br>public health<br>should their<br>or the enviro | Il operators<br>or the enviroperations honment. In a | are required t<br>ronment. The<br>ave failed to a | o report ar<br>acceptanc<br>adequately<br>OCD accep | is true and comp<br>ad/or file certain<br>we of a C-141 rep<br>investigate and<br>tance of a C-141 | release<br>ort by t<br>remedia | notifications a<br>he NMOCD m<br>ate contamination          | nd perform<br>arked as "I<br>on that pos | n correctiv<br>Final Repose a threat | ve action<br>ort" doe<br>t to grou | s for relased to the second se | eases which<br>ieve the ope<br>r, surface w | may en<br>rator of<br>ater, hu | ndanger<br>f liability<br>man health |
|   |  |   |   |  |                                |   | OIL                                      | CONSE                                | ERVA                               | TION   | DIVISI                                      | DN                             |                                      |
| Signature: Rose L. Slade  |  |   |   |  |                                |   |  |                                      |                                    |  |   |                                |                                      |
| Printed Nam   | e: Rose L. S   | lade  |   |  |                                | Approved by Environmental Specialist:                       |  |                                      |                                    |  |   |                                |                                      |
| Title: Sr. En   | vironmental  | Specialist  |   |  |                                | Approval Da   | te: 3/9/2                                | 2017                                 | Exj                                | piration   | Date:                                       |                                |                                      |
| E-mail Addr   | ess: <u>Rose.Sl</u>                                  | ade@energyt                                       | ransfer.coi   | <u>n</u>   |                                | Conditions of   |  |                                      | 1                                  | 7  | Attached                                    | I 🗸                            |                                      |
| Date: 3/3/17  |  |   | e: 210-403  | 3-6525   |                                | see a   | attacheo                                 | a direc                              | tive                               |  |   | _                              |                                      |
| * Attach Add  | itional Shee   | ets If Necess                                     | ary   |  |                                | 1RP-46  | 35   fC                                  | DY170                                | 69536                              | 656  | ]nOY1                                       | 7069                           | 54734                                |

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Operator/Responsible Party,

The OCD has received the form C-141 you provided on  $_3/3/2017$  regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number  $_1R-_4635$  has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District \_1\_ office in \_\_Hobbs\_\_\_\_ on or before \_4/10/2017\_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

• Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us