

2019 ANNUAL MONITORING REPORT AND CLOSURE REQUEST

LEA STATION LANDFARM

W ½ of the NW ¼ of Section 28, Township 20 South, Range 37 East Lea County, New Mexico Plains SRS #: 2004-00061 Discharge Permit #: GW-351

PREPARED FOR:

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1.0 INTRODUCTION

TRC Environmental Corporation (TRC) on behalf of Plains Marketing, LP (Plains), is pleased to submit this 2019 Annual Monitoring Report and Closure Request for the Lea Station Landfarm. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. This report presents the results of semi-annual soil monitoring event conducted in calendar year 2019.

Please note, TRC assumed maintenance and reporting responsibilities for the Lea Station Landfarm in October 2016. Data presented in this report prior to October 2016 was collected by the previous environmental contractor, Basin Environmental Service Technologies, LLC (Basin Environmental) of Lovington, New Mexico.

The Lea Station Landfarm (Landfarm, Discharge Permit #GW-351) is operated and maintained in accordance with New Mexico Oil Conservation Division (NMOCD), Natural Resources and Wildlife, Oil and Gas Surface Waste Management Facilities (Title 19, Chapter 15, Part 36). The Landfarm is operated by Plains as a "centralized" facility for Plains use only. A surveyor's plat of the Landfarm is provided as Figure 1.

2.0 SITE DESCRIPTION & BACKGROUND INFORMATION

The Landfarm is located in the western half of the northwest quarter of Section 28, Township 20 South, Range 37 East, in an area of Lea County, New Mexico, characterized by a stabilized eolian sand dune field. A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicates groundwater in the area should be encountered at approximately forty feet (40') below ground surface (bgs), along with a general southeast groundwater gradient. Gauging data collected from monitor wells at the adjacent Lea Station indicates the depth to groundwater is approximately thirty feet (30') bgs.

According to the *Lea Station Discharge Plan*, dated March 2003, "soil borings advanced at Lea Station identified intermittent occurrences of caliche mixed with fine tan sand from the surface to approximately twenty-five feet (25') bgs, however no pure indurated caliche interbed, as is typical of lithologies of the High Plains Province to the north where the Ogallala Formation is capped by an intergrade of caliche and siliceous sandstone of varying thicknesses. The confining Triassic Red-Beds occur approximately at thirty-five feet (35') bgs and are overlain by Quaternary Alluvium..."

On November 12, 2003, the NMOCD granted Link Energy Limited Partnership (now Plains) approval under NMOCD Rule 711 to construct and maintain the Landfarm. The Landfarm was approved for nine (9) cells (Cell A through Cell I); however, only eight (8) cells (Cell A through Cell H) were developed. The cells range in area from approximately four (4) to five (5) acres each and are subdivided into four (4) to five (5) grids measuring approximately one (1) acre each.

Receipt of impacted soil commenced in January 2004. As of December 31, 2015, a total of approximately 109,717 cubic yards (yd³) of hydrocarbon-impacted soil from within the Plains crude oil transportation system had been emplaced in Cell A through Cell H. No impacted soil was transported to the landfarm during the 2019 reporting period.

On January 21, 2016, a *Delineation Plan* was submitted to the NMOCD Santa Fe District Office, outlining a plan designed to assess the subsurface soil in each landfarm cell for potential leaching of contaminants of concern from the impacted soils stored therein and to progress the site to an NMOCD-approved closure. Following review of the *Delineation Plan* by an NMOCD representative, a *Revised Delineation Plan* was submitted to the NMOCD on March 30, 2016. Please reference the *Revised Delineation Plan* dated March 30, 2016 for details.

3.0 MAINTENANCE

Mechanical plowing of the soil contained in the treatment zones of Cell A through Cell H occurred every two weeks. Visual inspections of the Landfarm were conducted throughout the reporting period.

4.0 LANDFARM MONITORING RESULTS

4.1 Background Samples & Analyses

A "Revised Delineation Plan" (Plan) for the Lea Station Landfarm, dated March 30, 2016 was submitted to the NMOCD. Please reference the Plan for all background sample and historical data.

4.2 Treatment Zone Data Summary

4.2.1. June 27, 2019, Sampling Event

On June 27, 2019, TRC collected three (3) to five (5) five-point composite soil samples from the treatment zone of Cell A through Cell H, with the exceptions of Cell C and Grid 5 of Cell B, whose soil had been removed and transported to a staging area for use as backfill material during the 2009 reporting period. Please refer to *Annual Report (2008) - Disposition of Treated Soils Approval*, dated October 12, 2009, for additional information. The soil samples were submitted to Permian Basin Environmental Laboratories in Midland, Texas, and analyzed for concentrations of TPH and chloride, using EPA methods SW-846 8015M and 300/300.1, respectively.

Laboratory analytical results indicated TPH concentrations were less than the applicable laboratory Reporting Limit (RL) in all soil samples. Chloride concentrations ranged from less than the applicable laboratory RL in soil samples TZ Cell B G-4, TZ Cell D G-4, TZ Cell E G-4, TZ Cell G-2, and TZ Cell G-3 to 12.8 mg/kg in soil sample TZ Cell G-3.

The locations of soil samples collected in treatment Cell A through Cell H during the June 2019 sampling event are depicted on Figure 2, Site Detail and Soil Sample Location Map.

A summary of 2019 Concentrations of TPH & Chloride in the Treatment Zone and a summary 2018 - 2019 Concentrations of TPH & Chloride in the Treatment Zone are provided as Table 1 and 2, respectively. The 2019 analytical laboratory reports are provided in Appendix B.

The laboratory analytical results from the June 25, 2018, December 17, 2018, and June 27, 2019 treatment zone sampling events indicated all of the active landfarm treatment cells exhibited TPH (500 mg/kg) and chloride (250 mg/kg) concentrations below the NMOCD remediation standards.

4.3 Total Metals, Anions, and Cations in the Vadose Zone

4.3.1. June 22-23, 2016, Sampling Event

On January 21, 2016, a *Delineation Plan* was submitted to the NMOCD Santa Fe District Office, outlining a plan designed to assess the subsurface soil in each landfarm cell for potential leaching of contaminants of concern from the impacted soils stored therein and to progress the site to an NMOCD-approved closure. Following review of the *Delineation Plan* by an NMOCD representative, a *Revised Delineation Plan* was submitted to the NMOCD on March 30, 2016.

On June 22-23, 2016, Basin Environmental submitted four (4) randomly selected grab soil samples from the vadose zones of Cells A through H to be analyzed for concentrations of the metals and major anions/cations listed in Section A of 20.6.2.3103 NMAC, "Human Health Standards", which included total arsenic, total barium, total cadmium, total chromium, total copper, total iron, total lead, total manganese, total selenium, total silver, and total zinc by EPA Method 6020A, mercury by EPA Method SW-846 7471A, and chloride, fluoride, nitrate, and sulfate by EPA Method 300.1. The soil samples were collected at depths of approximately seven (7) feet and approximately ten (10) feet bgs. Contaminant concentrations were compared to the background concentrations detected in the soil samples previously collected. Please reference Table 3, "2013 - 2016 Concentrations of Metals, Ions and Cations in the Vadose Zone" for additional information.

4.3.2. December 18, 2017, Background Sampling Event

On December 18, 2017, TRC collected background soil samples (Cell "I" @ 6-7' and Cell "I" 9-10') from Cell "I" located in the southeast corner of the Lea Station Landfarm. Please reference Figure 2 for the sample location. Utilizing a backhoe soil samples were collected at approximately 6-7 feet bgs and approximately 9-10 feet bgs. The soil samples were submitted to the laboratory and analyzed for concentrations of total arsenic, total barium, total chromium, total copper, total iron, total lead, total manganese, total selenium, and total zinc by EPA Method SW-6010B and total mercury by EPA Method SW-7471A and concentrations of fluoride, nitrate, chloride, and sulfate by EPA Method 300.1. Please reference Table 4, "2017 Background Concentrations of Total Metals, Anions and Cations in the Vadose Zone of Cell "I" for additional information.

In addition, soil samples Cell "I" @ 6-7' and Cell "I" 9-10' were analyzed for concentrations of Toxic Characteristic Leaching Procedure (TCLP) concentrations of arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, and zinc. Please reference Table 5, "2017 Background Concentrations of TCLP Metals in the Vadose Zone of Cell "I" for additional information.

4.3.3. 2016 – Contaminants of Concern in the Vadose Zone

<u>Arsenic</u>

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell B G-5, VZ Cell C G-3, VZ Cell D G-5, and VZ Cell C G-3 were submitted to the laboratory for determination of concentrations of total arsenic. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited total arsenic concentrations ranging from less than the applicable laboratory Reporting Limit (RL) for soil samples VZ Cell B G-5 and VZ Cell C G-3 to 5.11 mg/kg for soil sample VZ Cell D G-5. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited total arsenic concentrations ranging from 3.08 mg/kg for soil sample VZ Cell C G-3 to 12.5 mg/kg for soil sample VZ Cell B G-5.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited total arsenic concentrations of less than 0.980 mg/kg and 6.16 mg/kg, respectively. Background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited TCLP arsenic concentrations less than the applicable laboratory RL, respectively.

Barium

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell B G-5, VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-5, and VZ Cell E G-3 were submitted to the laboratory for determination of concentrations of total barium. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited total barium concentrations ranging from 9.30 mg/kg for soil sample VZ Cell C G-3 to 124 mg/kg for soil sample VZ Cell D G-5. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited total barium concentrations ranging from 22.2 mg/kg for soil sample VZ Cell C G-2 to 70.3 mg/kg for soil sample VZ Cell B G-5.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited total barium concentrations of 73.2 mg/kg and 15.1 mg/kg, respectively. Background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited TCLP barium concentrations of 1.24 mg/L and 0.542 mg/L, respectively.

Chromium

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell B G-5, VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-5, VZ Cell E G-3, VZ Cell F G-5, and VZ Cell G G-5 were submitted to the laboratory for determination of concentrations of total chromium. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited total chromium concentrations ranging from less than the applicable laboratory RL for soil samples VZ Cell B G-5 and VZ Cell C G-3 to 11.8 mg/kg for soil sample VZ Cell D G-5. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited total chromium concentrations

ranging from 1.79 mg/kg for soil sample VZ Cell C G-2 to 9.17 mg/kg for soil sample VZ Cell D G-5.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited total chromium concentrations of less than the laboratory RL of 0.980 mg/kg and 5.69 mg/kg, respectively. Background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited TCLP chromium concentrations less than the applicable laboratory RL.

Copper

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell A G-1, VZ Cell A G-2, VZ Cell B G-5, VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-1, VZ Cell D G-5, VZ Cell F G-5, VZ Cell G G-5, and VZ Cell H G-3 were submitted to the laboratory for determination of concentrations of total copper. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited total copper concentrations ranging from less than the applicable laboratory RL for soil samples VZ Cell A G-1, VZ Cell A G-2, VZ Cell B G-5, VZ Cell C G-3, VZ Cell D G-1, VZ Cell F G-5, and VZ Cell H G-3 to 5.18 mg/kg for soil sample VZ Cell D G-5. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited total copper concentrations ranging from less than the applicable laboratory RL for soil samples VZ Cell A G-2, VZ Cell C G-2, VZ Cell D G-1, and VZ Cell F G-5 to 4.07 mg/kg for soil sample VZ Cell B G-5.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited total copper concentrations of less than the laboratory RL of 1.96 mg/kg and 1.89 mg/kg, respectively. Background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited TCLP copper concentrations less than the applicable laboratory RL.

Iron

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell B G-5, VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-5, and VZ Cell G G-5 were submitted to the laboratory for determination of concentrations of total iron. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited total iron concentrations ranging from 573 mg/kg for soil sample VZ Cell B G-5 to 10,100 mg/kg for soil sample VZ Cell D G-5. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited total iron concentrations ranging from 1,540 mg/kg for soil sample VZ Cell C G-2 to 9,050 mg/kg for soil sample VZ Cell D G-5.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited total iron concentrations of 4,540 mg/kg and 5,730 mg/kg, respectively. Background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited TCLP iron concentrations of less than the applicable laboratory RL of 1.00 mg/L and 0.184 mg/L, respectively.

Lead

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell C G-2 and VZ Cell G G-5 were submitted to the laboratory for determination of concentrations of total lead. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited total lead concentrations ranging from 1.63 mg/kg for soil sample VZ Cell C G-2 to 4.17 mg/kg for soil sample VZ Cell G G-5. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited total lead concentrations ranging from less than the laboratory RL of 0.938 mg/kg for soil sample VZ Cell C G-2 to 2.86 mg/kg for soil sample VZ Cell G G-5.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited total lead concentrations of less than the laboratory RL of 0.980 mg/kg and 2.40 mg/kg, respectively. Background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited TCLP lead concentrations of less than the applicable laboratory RL of 0.0500 mg/L and less than the laboratory RL of 0.00916 mg/L, respectively.

Manganese

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell B G-5, VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-5, VZ Cell E G-3, VZ Cell F G-5 and VZ Cell G G-5 were submitted to the laboratory for determination of concentrations of total manganese. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited total manganese concentrations ranging from 5.55 mg/kg for soil sample VZ Cell B G-5 to 118 mg/kg for soil sample VZ Cell D G-5. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited total manganese concentrations ranging from 18.1 mg/kg for soil sample VZ Cell C G-2 to 84.1 mg/kg for soil sample VZ Cell G G-5.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited total manganese concentrations of 61.2 mg/kg and 27.3 mg/kg, respectively. Background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited TCLP manganese concentrations of 0.121 mg/L and less than the laboratory RL of 0.00292 mg/L, respectively.

Zinc

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell B G-5, VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-5, and VZ Cell E G-3 were submitted to the laboratory for determination of concentrations of total zinc. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited total zinc concentrations ranging from less than the applicable laboratory RL for soil samples VZ Cell B G-5 and VZ Cell C G-3 to 23.6 mg/kg for soil sample VZ Cell D G-5. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited total zinc concentrations ranging from 3.31 mg/kg for soil sample VZ Cell C G-2 to 19.0 mg/kg for soil sample VZ Cell E G-3.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited total zinc concentrations of 10.3 mg/kg and 11.7 mg/kg, respectively. Background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited TCLP zinc concentrations of 0.358 mg/L and 0.327 mg/L, respectively.

Mercury

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell A G-1, VZ Cell A G-2, VZ Cell B G-5, VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-1, VZ Cell D G-5, VZ Cell E G-3, VZ Cell F G-5, VZ Cell G G-5, and VZ Cell H G-3 were submitted to the laboratory for determination of concentrations of total mercury. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs exhibited total mercury concentrations less than the applicable laboratory RL for all soil samples.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited total mercury concentrations of 0.00410 mg/kg and less than the laboratory RL of 0.0179 mg/kg, respectively. Background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited TCLP mercury concentrations of less than the laboratory RL of 0.000200 mg/L and less than the laboratory RL of 0.000100 mg/L, respectively.

Chloride

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell B G-5, VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-1, VZ Cell F G-5, and VZ Cell H G-3 were submitted to the laboratory for determination of concentrations of chloride. The analytical results indicated all of the soil samples collected at approximately seven (7) feet bgs exhibited chloride concentrations less than the applicable laboratory RL. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited chloride concentrations ranging from less than the applicable laboratory RL for soil samples VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-5, and VZ Cell H G-3 to 25.1 mg/kg for soil sample VZ Cell B G-5.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited chloride concentrations of 3.73 mg/kg and 8.63 mg/kg, respectively.

Fluoride

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell A G-1, VZ Cell D G-5, VZ Cell F G-5, and VZ Cell H G-3 were submitted to the laboratory for determination of concentrations of fluoride. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited fluoride concentrations ranging from less than the applicable laboratory RL for soil samples VZ Cell A G-1, VZ Cell F G-5 and VZ Cell H G-3 to 8.12 mg/kg for soil sample VZ Cell D G-5. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited fluoride concentrations ranging from less than the laboratory RL of 5.68 mg/kg for soil sample VZ Cell F G-5 to 33.2 mg/kg for soil sample VZ Cell A G-1.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited fluoride concentrations of 7.82 mg/kg and 8.05 mg/kg, respectively.

Nitrate

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell A G-1, VZ Cell C G-2, VZ Cell E G-3, VZ Cell F G-5, VZ Cell G G-5, and VZ Cell H G-3 were submitted to the laboratory for determination of concentrations of nitrate. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited nitrate concentrations ranging from 1.26 mg/kg for soil sample VZ Cell H G-3 to 9.15 mg/kg for soil sample VZ Cell C G-2. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited nitrate concentrations ranging from less than the applicable laboratory RL for soil samples VZ Cell F G-5 and VZ Cell H G-3 to 7.39 mg/kg for soil sample VZ Cell A G-1.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited nitrate concentrations of 2.59 mg/kg and 3.67 mg/kg, respectively.

Sulfate

On June 22-23, 2016, soil samples collected at approximately seven (7) feet bgs and approximately ten (10) feet bgs from VZ Cell A G-2, VZ Cell B G-5, VZ Cell C G-2, VZ Cell C G-3, VZ Cell D G-1, VZ Cell D G-5, VZ Cell E G-3 and VZ Cell H G-3 were submitted to the laboratory for determination of concentrations of sulfate. The analytical results indicated the soil samples collected at approximately seven (7) feet bgs exhibited sulfate concentrations ranging from less than the applicable laboratory RL for soil samples VZ Cell B G-5, VZ Cell D G-1, VZ Cell D G-5, and VZ Cell H G-3 to 50.9 mg/kg for soil sample VZ Cell C G-2. The analytical results indicated the soil samples collected at approximately ten (10) feet bgs exhibited sulfate concentrations ranging from less than the applicable laboratory RL for soil samples VZ Cell A G-2, VZ Cell D G-1, VZ Cell D G-5, and VZ Cell H G-3 to 569 mg/kg for soil sample VZ Cell B G-5.

On December 18, 2017, background soil samples Cell "I" @ 6-7' and Cell "I" @ 9-10' exhibited sulfate concentrations of 14.6 mg/kg and 119 mg/kg, respectively.

5.0 CONCLUSIONS

The laboratory analytical results from the June 25, 2018, December 17, 2018, and June 27, 2019 treatment zone sampling events indicated all of the active landfarm treatment cells exhibited TPH (500 mg/kg) and chloride (250 mg/kg) concentrations below the NMOCD remediation standards.

Comparison of the analytical results from the July 22-23, 2016 sampling event and the December 18, 2017 Cell "I" background sampling event for total metals, anions, and cations indicated background concentrations were generally comparable to the concentrations exhibited within the landfarm cells. Historical background sample analytical results indicate total metal concentrations appear to fluctuate widely over short distances and depths across the Plains Lea

Station landfarm and within private and commercial land farms operated in southeast New Mexico.

Background soil samples Cell "I" @ 6-7' and 9-10' were analyzed for concentrations of total metals (Table 4) and metals by Toxicity Characteristic Leaching Procedure. The analytical results indicated TCLP metal concentrations were less than the Standards for Groundwater of 10,000 mg/L TDS Concentration or Less (NMAC 20.6.2.3103), with the exception of the barium concentration (1.24 mg/L) at approximately 6-7 feet bgs.

6.0 ANTICIPATED ACTIONS

In March 2017, the NMOCD approved the cessation of vadose zone soil sampling.

The laboratory analytical results from the June 25, 2018, December 17, 2018, and June 27, 2019 treatment zone sampling events indicated all of the active landfarm treatment cells exhibited TPH (500 mg/kg) and chloride (250 mg/kg) concentrations below the NMOCD remediation standards.

Based on the analytical results, Plains will cease the bi-monthly plowing of the landfarm cells and bi-annual treatment cell sampling events.

Plains respectfully requests NMOCD approval to commence closure activities.

7.0 LIMITATIONS

TRC has prepared this Annual Monitoring Report 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 Basin and on oral statements made by certain individuals and information generated by EPI. 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 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 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 Plains. 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 Plains.

8.0 DISTRIBUTION

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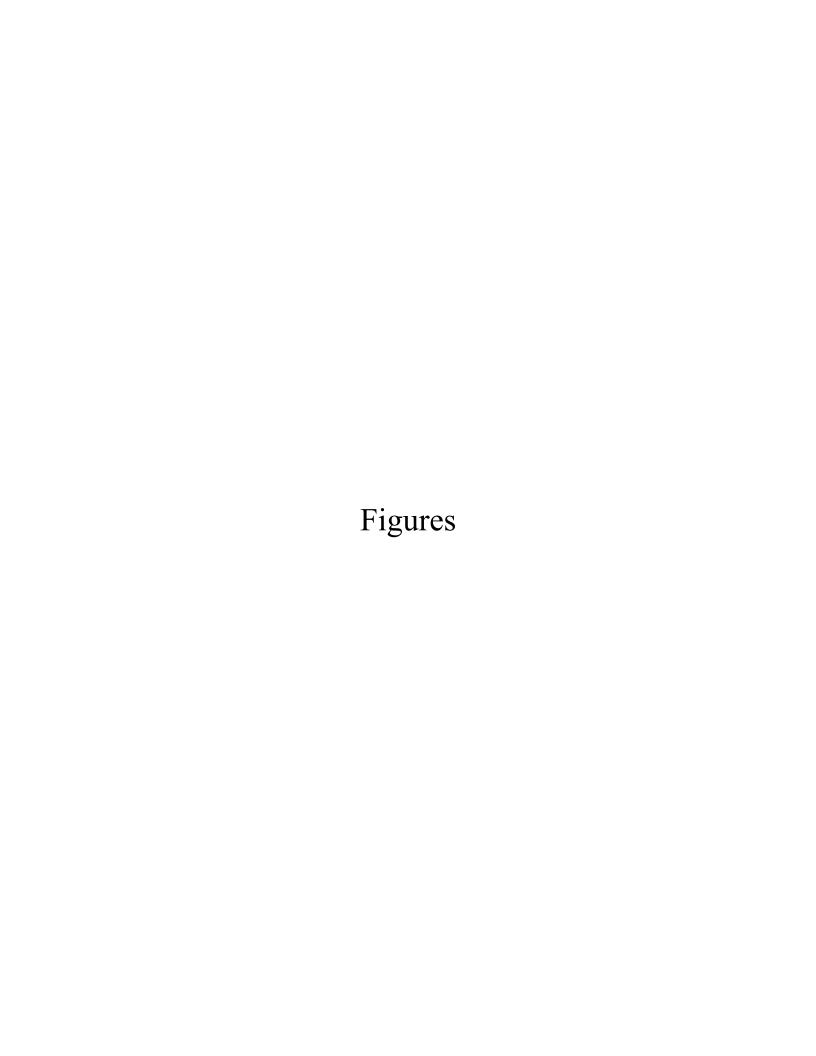
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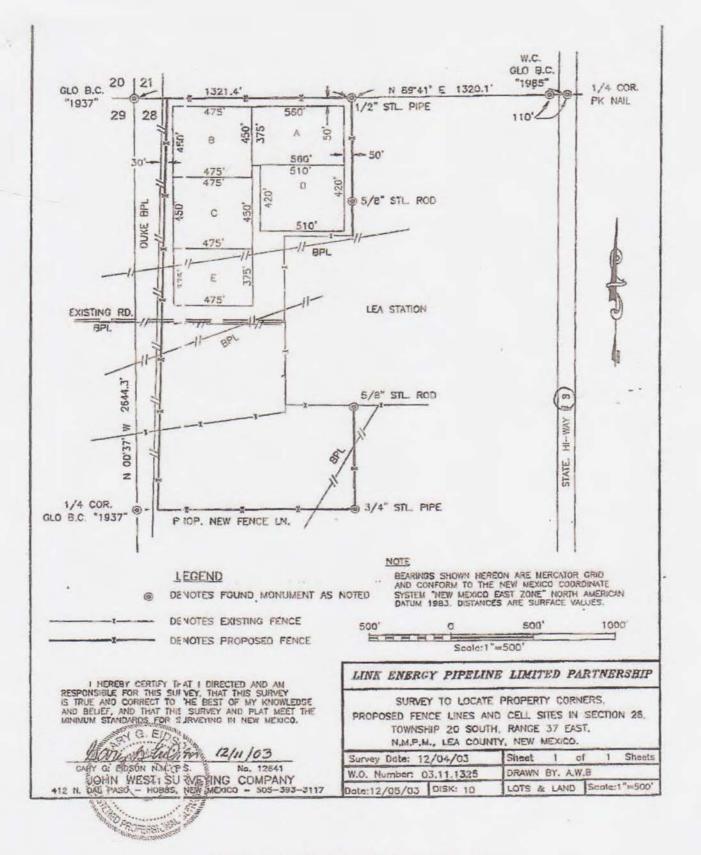
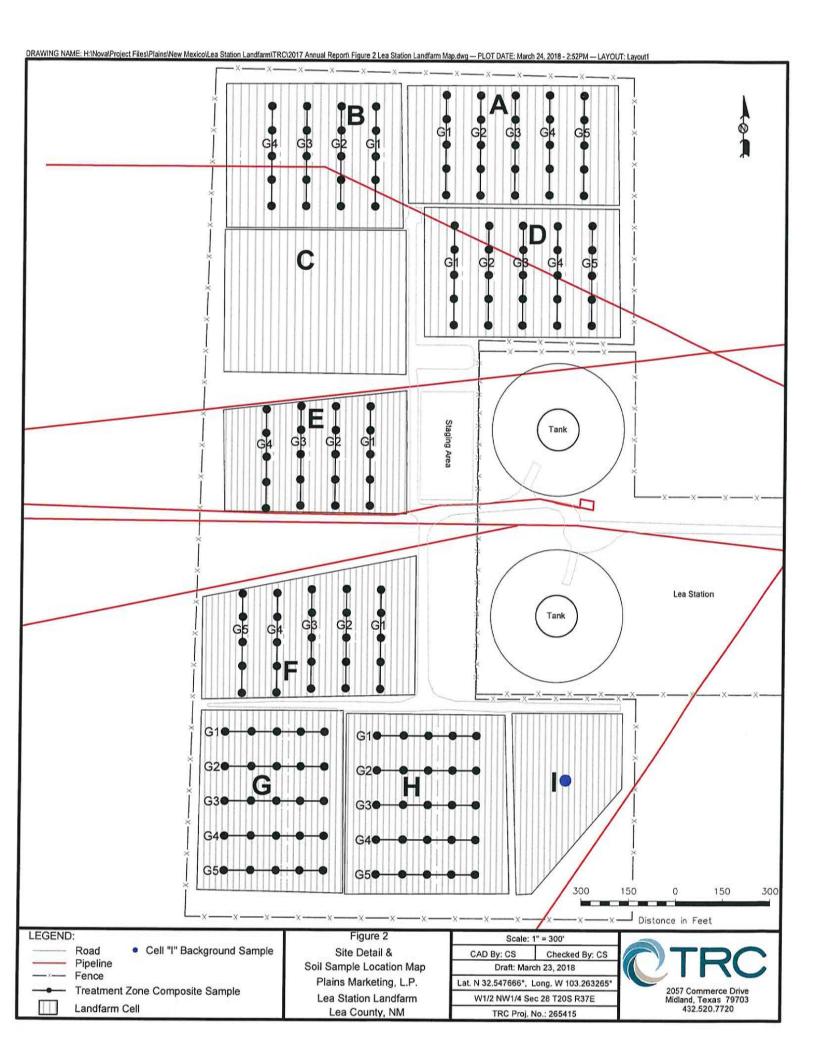


Figure 1: Lea Station Landfarm Survey Map



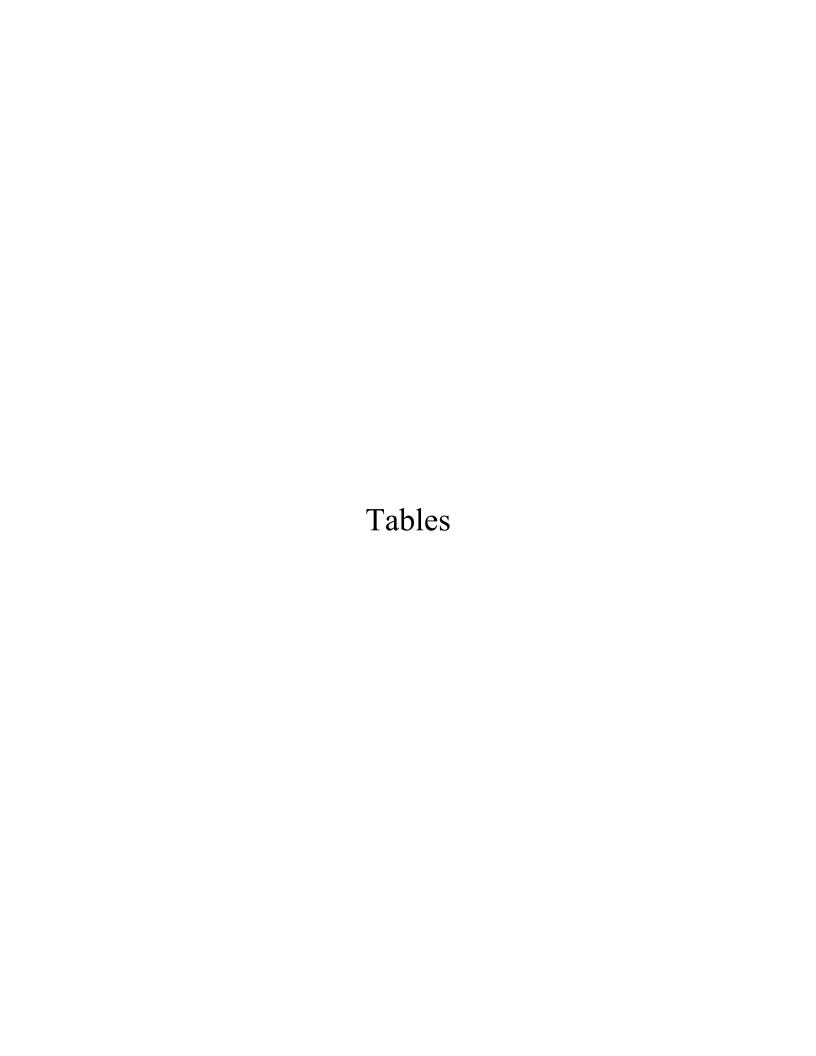


TABLE 1 2019 CONCENTRATIONS OF TPH & CHLORIDE IN THE TREATMENT ZONE

| | | | | ME | THOD: 801 | 15M | | E 300 | | |
|--------------------|--------------------------|----------------|----------------|---|--|--|--|---------------------|--|--|
| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | GRO C ₆ -C ₁₀ (mg/Kg) | DRO C ₁₀ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | TOTAL TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) | | |
| TZ Cell A G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 3.30 | | |
| TZ Cell A G-2 | 0.5' | 6/27/2019 | In-Situ | <26.9 | <26.9 | <26.9 | <26.9 | 4.43 | | |
| TZ Cell A G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 7.09 | | |
| TZ Cell A G-4 | 0.5' | 6/27/2019 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | 7.81 | | |
| TZ Cell A G-5 | 0.5' | 6/27/2019 | In-Situ | <25.0 | <25.0 | <25.0 | <25.0 | 1.01 | | |
| | | | | | | | | | | |
| TZ Cell B G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 2.37 | | |
| TZ Cell B G-2 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.30 | | |
| TZ Cell B G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.87 | | |
| TZ Cell B G-4 | 0.5' | 6/27/2019 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | | |
| | | | | | | | | | | |
| TZ Cell D G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.80 | | |
| TZ Cell D G-2 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 6.20 | | |
| TZ Cell D G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 12.8 | | |
| TZ Cell D G-4 | 0.5' | 6/27/2019 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | | |
| TZ Cell D G-5 | 0.5' | 6/27/2019 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | 1.17 | | |
| | | | | | | | | | | |
| TZ Cell E G-1 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 2.57 | | |
| TZ Cell E G-2 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 2.57 | | |
| TZ Cell E G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 2.54 | | |
| TZ Cell E G-4 | 0.5' | 6/27/2019 | In-Situ | <26.0 | <26.0 | <26.0 | <26.0 | <1.04 | | |
| | | | | | | | | | | |
| TZ Cell F G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 3.87 | | |
| TZ Cell F G-2 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 3.34 | | |
| TZ Cell F G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.78 | | |
| TZ Cell F G-4 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.61 | | |
| TZ Cell F G-5 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 2.36 | | |
| | | | | | | | | | | |
| TZ Cell G G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.21 | | |
| TZ Cell G G-2 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | <1.03 | | |
| TZ Cell G G-3 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | <1.03 | | |
| TZ Cell G G-4 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 2.36 | | |
| TZ Cell G G-5 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 2.04 | | |
| | | | | | | | | | | |
| TZ Cell H G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 8.90 | | |
| TZ Cell H G-2 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 7.95 | | |
| TZ Cell H G-3 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 2.14 | | |
| TZ Cell H G-4 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 1.77 | | |
| TZ Cell H G-5 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.26 | | |
| | | | | | | | | | | |

| | | | | ME | THOD: 801 | 15M | | E 300 | |
|---------------|-----------------|------------|---------|---|-----------------------------|-----------------------------|------------------|----------|--|
| SAMPLE | SAMPLE DEPTH | SAMPLE | SOIL | GRO | DRO | ORO | C_6 - C_{35} | CHLORIDE | |
| LOCATION | (BGS) | DATE | STATUS | C ₆ -C ₁₀ (mg/Kg) | C_{10} - C_{28} (mg/Kg) | C_{28} - C_{35} (mg/Kg) | (mg/Kg) | (mg/Kg) | |
| TZ Cell A G-1 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell A G-2 | 0.5' | 6/25/2018 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | <1.03 | |
| TZ Cell A G-3 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell A G-4 | 0.5' | 6/25/2018 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | <1.02 | |
| TZ Cell A G-5 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| | | | | | | | | | |
| TZ Cell B G-1 | 0.5' | 6/25/2018 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | <1.03 | |
| TZ Cell B G-2 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell B G-3 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell B G-4 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell D G-1 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell D G-2 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell D G-3 | 0.5' | 6/25/2018 | In-Situ | <25.3 | 30.0 | <25.3 | 30.0 | <1.00 | |
| TZ Cell D G-4 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell D G-5 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell E G-1 | 0.5' | 6/25/2018 | In-Situ | <25.5 | 271 | 158 | 429 | <1.02 | |
| TZ Cell E G-2 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell E G-3 | 0.5' | 6/25/2018 | In-Situ | <25.0 | <25.0 | <25.0 | <25.0 | <1.00 | |
| TZ Cell E G-4 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| | | | | | | | | | |
| TZ Cell F G-1 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell F G-2 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell F G-3 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell F G-4 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell F G-5 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell G G-1 | 0.5' | 6/25/2018 | In-Situ | <25.0 | 47.8 | <25.3 | 47.8 | <1.00 | |
| TZ Cell G G-2 | 0.5' | 6/25/2018 | In-Situ | <25.3 | 221 | 53.5 | 274.5 | <1.01 | |
| TZ Cell G G-3 | 0.5' | 6/25/2018 | In-Situ | <25.0 | 148 | 24.8 | 172.8 | <1.00 | |
| TZ Cell G G-4 | 0.5' | 6/25/2018 | In-Situ | <25.0 | 218 | 56.3 | 274.3 | <1.00 | |
| TZ Cell G G-5 | 0.5' | 6/25/2018 | In-Situ | <25.0 | 38.8 | <25.0 | 38.8 | <1.00 | |
| TZ Cell H G-1 | 0.5' | 6/25/2018 | In-Situ | <25.3 | 69.6 | 26.5 | 96.1 | <1.01 | |
| TZ Cell H G-2 | 0.5' | 6/25/2018 | In-Situ | <25.5 | 53.4 | <25.5 | 53.4 | <1.02 | |
| TZ Cell H G-3 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell H G-4 | 0.5' | 6/25/2018 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 | |
| TZ Cell H G-5 | 0.5' | 6/25/2018 | In-Situ | <25.0 | <25.0 | <25.0 | <25.0 | <1.00 | |
| | | | | | | | | | |
| TZ Cell A G-1 | 0.5' | 12/17/2018 | In-Situ | <27.2 | <27.2 | <27.2 | <27.2 | <1.09 | |
| TZ Cell A G-2 | 0.5' | 12/17/2018 | In-Situ | <26.9 | 110 | 49.3 | 159.3 | <1.08 | |
| TZ Cell A G-3 | 0.5' | 12/17/2018 | In-Situ | <27.2 | 77.5 | <27.2 | 77.5 | <1.09 | |
| TZ Cell A G-4 | 0.5' | 12/17/2018 | In-Situ | <26.6 | 75.2 | 41.3 | 116.5 | <1.06 | |
| TZ Cell A G-5 | 0.5' | 12/17/2018 | In-Situ | <26.6 | 34.0 | <26.6 | 34.0 | <1.06 | |
| ma a 11 = = : | | 10//=/2::: | · | c = - | | | | | |
| TZ Cell B G-1 | 0.5' | 12/17/2018 | In-Situ | 27.2 | 43.1 | <27.2 | 43.1 | <1.09 | |
| TZ Cell B G-2 | 0.5' | 12/17/2018 | In-Situ | <27.2 | 73.3 | <27.2 | 73.3 | <1.09 | |
| TZ Cell B G-3 | 0.5' | 12/17/2018 | In-Situ | <26.6 | 67.0 | 31.0 | 98.0 | 1.15 | |

| | | | | ME | THOD: 801 | 15M | | E 300 |
|--------------------------------|----------------|------------|----------|--------------------------|-----------------------------|-----------------------------|--|---------------------|
| SAMPLE | SAMPLE | SAMPLE | SOIL | GRO | DRO | ORO | TOTAL TPH | |
| LOCATION | DEPTH (BGS) | DATE | STATUS | C_6 - C_{10} (mg/Kg) | C_{10} - C_{28} (mg/Kg) | C_{28} - C_{35} (mg/Kg) | C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| TZ Cell B G-4 | 0.5' | 12/17/2018 | In-Situ | <26.6 | <26.6 | <26.6 | <26.6 | <1.06 |
| T7 C 11 D C 1 | 0.51 | 12/17/2019 | I C.4 | -2((| 26.6 | -26.6 | 26.6 | <1.06 |
| TZ Cell D G-1 TZ Cell D G-2 | 0.5' 0.5' | 12/17/2018 | In-Situ | <26.6 | 36.6 | <26.6 | 36.6 | <1.06 |
| | | 12/17/2018 | In-Situ | <26.6 | <26.6 | <26.6 | <26.6 | <1.06 |
| TZ Cell D G-3 | 0.5' | 12/17/2018 | In-Situ | <26.9 | 52.7 | <26.9 | 52.7 | 1.37 |
| TZ Cell D G-4 | 0.5' | 12/17/2018 | In-Situ | <26.6 | <26.6 | <26.6 | <26.6 | <1.06 |
| TZ Cell D G-5 | 0.5' | 12/17/2018 | In-Situ | <26.3 | <26.3 | <26.3 | <26.3 | <1.05 |
| TZ Cell E G-1 | 0.5' | 12/17/2018 | In-Situ | <26.0 | <26.0 | <26.0 | <26.0 | <1.04 |
| TZ Cell E G-2 | 0.5' | 12/17/2018 | In-Situ | <26.3 | <26.3 | <26.3 | <26.3 | <1.05 |
| TZ Cell E G-3 | 0.5' | 12/17/2018 | In-Situ | <26.3 | <26.3 | <26.3 | <26.3 | <1.05 |
| TZ Cell E G-4 | 0.5' | 12/17/2018 | In-Situ | <26.3 | <26.3 | <26.3 | <26.3 | <1.05 |
| | | | | | | | | |
| TZ Cell F G-1 | 0.5' | 12/17/2018 | In-Situ | <27.2 | <27.2 | <27.2 | <27.2 | <1.09 |
| TZ Cell F G-2 | 0.5' | 12/17/2018 | In-Situ | <26.9 | 58.4 | 33.7 | 92.1 | <1.08 |
| TZ Cell F G-3 | 0.5' | 12/17/2018 | In-Situ | <27.2 | 56.0 | 33.3 | 89.3 | <1.09 |
| TZ Cell F G-4 | 0.5' | 12/17/2018 | In-Situ | <26.6 | <26.6 | <26.6 | <26.6 | <1.06 |
| TZ Cell F G-5 | 0.5' | 12/17/2018 | In-Situ | <26.3 | <26.3 | <26.3 | <26.3 | <1.05 |
| | | | | | | | | |
| TZ Cell G G-1 | 0.5' | 12/17/2018 | In-Situ | <27.2 | <27.2 | <27.2 | <27.2 | <1.09 |
| TZ Cell G G-2 | 0.5' | 12/17/2018 | In-Situ | <26.9 | 80.3 | <26.9 | 80.3 | <1.08 |
| TZ Cell G G-3 | 0.5' | 12/17/2018 | In-Situ | <26.0 | 60.4 | <26.0 | 60.4 | <1.04 |
| TZ Cell G G-4 | 0.5' | 12/17/2018 | In-Situ | <26.6 | 88.5 | 42.2 | 130.7 | <1.06 |
| TZ Cell G G-5 | 0.5' | 12/17/2018 | In-Situ | <26.0 | <26.0 | <26.0 | <26.0 | <1.04 |
| T7 C 11 H C 1 | 0.51 | 12/17/2019 | I C.4 | <2(0 | 100 | (0.4 | 160.4 | <1.00 |
| TZ Cell H G-1 | 0.5' | 12/17/2018 | In-Situ | <26.9 | 100 | 60.4 | 160.4 | <1.08 |
| TZ Cell H G-2 | 0.5' | 12/17/2018 | In-Situ | <26.9 | 125 | 63.1 | 188.1 | 10.2 |
| TZ Cell H G-3 | 0.5' | 12/17/2018 | In-Situ | <26.9 | 81.4 | 45.7 | 127.1 | <1.08 |
| TZ Cell H G-4 | 0.5' | 12/17/2018 | In-Situ | <26.3 | <26.3 | <26.3 | <26.3 | <1.05 |
| TZ Cell H G-5 | 0.5' | 12/17/2018 | In-Situ | <26.0 | <26.0 | <26.0 | <26.0 | <1.04 |
| TZ Cell A G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 3.3 |
| TZ Cell A G-2 | 0.5' | 6/27/2019 | In-Situ | <26.9 | <26.9 | <26.9 | <26.9 | 4.43 |
| TZ Cell A G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 7.09 |
| TZ Cell A G-4 | 0.5' | 6/27/2019 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | 7.81 |
| TZ Cell A G-5 | 0.5' | 6/27/2019 | In-Situ | <25.0 | <25.0 | <25.0 | <25.0 | 1.01 |
| 12 001110 3 | 0.5 | 0/27/2019 | III Situ | 23.0 | 23.0 | 23.0 | 23.0 | 1.01 |
| TZ Cell B G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 2.37 |
| TZ Cell B G-2 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.3 |
| TZ Cell B G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.87 |
| TZ Cell B G-4 | 0.5' | 6/27/2019 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 |
| | | | | | | | | |
| TZ Cell D G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.8 |
| TZ Cell D G-2 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 6.2 |
| TZ Cell D G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 12.8 |
| TZ Cell D G-4 | 0.5' | 6/27/2019 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | <1.01 |
| TZ Cell D G-5 | 0.5' | 6/27/2019 | In-Situ | <25.3 | <25.3 | <25.3 | <25.3 | 1.17 |
| | | | | | | | | |
| TZ Cell E G-1 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 2.57 |

| | ~ | | | ME | THOD: 801 | 15M | | E 300 |
|--------------------|--------------------------|----------------|----------------|---|--|--|---|---------------------|
| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | GRO C ₆ -C ₁₀ (mg/Kg) | DRO C ₁₀ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | TOTAL TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| TZ Cell E G-2 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 2.57 |
| TZ Cell E G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 2.54 |
| TZ Cell E G-4 | 0.5' | 6/27/2019 | In-Situ | <26.0 | <26.0 | <26.0 | <26.0 | <1.04 |
| | | | | | | | | |
| TZ Cell F G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 3.87 |
| TZ Cell F G-2 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 3.34 |
| TZ Cell F G-3 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.78 |
| TZ Cell F G-4 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.61 |
| TZ Cell F G-5 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 2.36 |
| | | | | | | | | |
| TZ Cell G G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.21 |
| TZ Cell G G-2 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | <1.03 |
| TZ Cell G G-3 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | <1.03 |
| TZ Cell G G-4 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 2.36 |
| TZ Cell G G-5 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 2.04 |
| | | | | | | | | |
| TZ Cell H G-1 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 8.9 |
| TZ Cell H G-2 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 7.95 |
| TZ Cell H G-3 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 2.14 |
| TZ Cell H G-4 | 0.5' | 6/27/2019 | In-Situ | <25.8 | <25.8 | <25.8 | <25.8 | 1.77 |
| TZ Cell H G-5 | 0.5' | 6/27/2019 | In-Situ | <25.5 | <25.5 | <25.5 | <25.5 | 1.26 |
| | | | | | | | | |

2013 -2016 CONCENTRATIONS OF TOTAL METALS , ANIONS AND CATIONS IN THE VADOSE ZONE

| | G + 3 5 D T T | | | METHOD: EPA 6020A | | | | | | | | | SW-846 7471A | EPA Method 300/300.1 | | | | | |
|--------------------------------|--------------------------|------------------------|--------------------|--------------------|-------------------|--------------------|---------------------|-------------------|-----------------|-----------------|----------------------|---------------------|-------------------|----------------------|--------------------|---------------------|---------------------|--------------------|--------------------|
| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (mg/kg) | Copper (mg/kg) | Iron (mg/kg) | Lead (mg/kg) | Manganese (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Zinc (mg/kg) | Mercury (mg/kg) | Chloride (mg/kg) | Fluoride (mg/kg) | Nitrate (mg/kg) | Sulfate (mg/kg) |
| VZ Cell A G-1 | 3' - 4' | 11/13/2013 | In-Situ | < 2.00 | 17.6 | <1.00 | 1.59 | < 2.00 | 1,070 | < 2.00 | 13.7 | < 3.00 | < 2.00 | 3.50 | < 0.0089 | 3.64 | < 5.09 | 2.1 | - |
| VZ Cell A G-1 | 7' | 6/22/2016 | In-Situ | - | - | 1 | - | <1.97 | - | - | 1 | - | - | - | < 0.0238 | - | < 5.09 | 2.10 | - |
| VZ Cell A G-1 | 10' | 6/22/2016 | In-Situ | - | - | - | - | 3.61 | - | - | - | - | - | - | < 0.0266 | - | 33.2 | 7.39 | - |
| VZ Cell A G-2 | 3' - 4' | 11/13/2013 | In-Situ | <1.89 | 21.9 | < 0.94 | 2.00 | <1.89 | 1,520 | <1.89 | 25.5 | <2.83 | <1.89 | 4.05 | < 0.0083 | 3.78 | 3.87 | 2.71 | 15.8 |
| VZ Cell A G-2 | 7' | 6/22/2016 | In-Situ | - | - | - | - | <1.94 | - | - | - | - | - | - | < 0.0252 | - | - | - | 16.4 |
| VZ Cell A G-2 | 10' | 6/22/2016 | In-Situ | - | - | - | - | <2.07 | - | - | - | - | - | - | < 0.0249 | - | - | - | <10.2 |
| VZ Cell A G-3 | 3' - 4' | 11/13/2013 | In-Situ | <1.89 | 15.4 | <0.94 | 1.35 | <1.89 | 860 | <1.89 | 6.95 | <2.83 | <1.89 | <2.83 | <0.0091 | 3.70 | 2.75 | 3.22 | 4.99 |
| VZ Cell A G-4 | 3' - 4' | 11/13/2013 | In-Situ | <2.00 | 18.1 | <1.00 | 1.20 | <2.00 | 731 | <2.00 | 7.53 | <3.00 | <2.00 | <3.00 | < 0.0100 | 3.98 | 3.85 | 1.34 | 4.99 |
| VZ Cell B G-1 | 3' - 4' | 11/13/2013 | In-Situ | <2.00 | 34.1 | <1.00 | 1.77 | <2.00 | 1,290 | <2.00 | 17.7 | <3.00 | <2.00 | 3.31 | <0.0089 | 18.3 | 1.22 | 11.2 | 10.5 |
| VZ Cell B G-3 | 3' - 4' | 11/13/2013 | In-Situ | <1.96 | 13.8 | < 0.98 | < 0.98 | <1.96 | 582 | <1.96 | 8.22 | <2.94 | <1.96 | <2.94 | <0.0094 | 3.84 | 2.49 | 1.75 | 5.20 |
| VZ Cell B G-4 | 3' - 4' | 11/13/2013 | In-Situ | <2.00 | 74.1 | <1.00 | 3.20 | <2.00 | 2,460 | <2.00 | 39.9 | <3.00 | <2.00 | 7.05 | <0.0091 | 11.3 | 3.56 | 15.9 | 51.9 |
| VZ Cell B G-5 | 3' - 4' | 11/13/2013 | In-Situ | 8.00 | 76.7 | <1.00 | 3.66 | 2.91 | 2,800 | <2.00 | 50.2 | <3.00 | <2.00 | 7.57 | < 0.0100 | 4.53 | 4.87 | 0.928 | 48.4 |
| VZ Cell B G-5 | 7' | 6/22/2016 | In-Situ | < 0.973 | 11.8 | - | < 0.973 | <1.95 | 724 | - | 5.55 | - | - | <2.92 | < 0.0243 | < 5.01 | - | - | <10.0 |
| VZ Cell B G-5 | 10' | 6/22/2016 | In-Situ | 12.5 | 70.3 | - | 8.72 | 4.07 | 7,810 | - | 63.2 | - | - | 18.0 | < 0.0276 | 25.1 | - | - | 569 |
| VZ Cell C G-1 | 3' - 4' | 11/13/2013 | In-Situ | 3.14 | 82.2 | < 0.93 | 4.11 | 3.29 | 3,180 | <1.85 | 47.0 | <2.78 | <1.85 | 8.93 | < 0.0100 | 3.58 | 2.97 | 3.36 | 82.1 |
| VZ Cell C G-2 | 3' - 4' | 11/13/2013 | In-Situ | <2.00 | 98.9 | <1.00 | 5.87 | 3.01 | 4,710 | 2.56 | 53.0 | <3.00 | <2.00 | 13.9 | < 0.0100 | 6.72 | 2.12 | <1.60 | 113 |
| VZ Cell C G-2 | 7' | 6/22/2016 | In-Situ | - | 55.5 | - | 3.65 | 2.52 | 3,810 | 1.63 | 52.7 | - | - | 8.38 | < 0.0260 | <11.2 | - | 9.15 | 50.9 |
| VZ Cell C G-2 | 10' | 6/22/2016 | In-Situ | - | 22.2 | - | 1.79 | <1.88 | 1,540 | < 0.938 | 18.1 | - | - | 3.31 | < 0.0243 | <10.2 | - | 1.45 | 56.25 |
| VZ Cell C G-3 | 3' - 4' | 11/13/2013 | In-Situ | 5.94 | 141 | < 0.89 | 3.55 | 2.59 | 2,680 | <1.79 | 55.7 | <2.68 | <1.79 | 8.74 | < 0.0100 | 7.21 | 3.62 | 1.96 | 100 |
| VZ Cell C G-3 | 7' | 6/22/2016 | In-Situ In-Situ | <1.03 | 9.30 | \0.69 | <1.03 | <2.06 | 573 | -1./9 | 8.85 | ~2.08 | ~1./9 | <3.09 | <0.0100 | <10.2 | - | 1.90 | 10.2 |
| VZ Cell C G-3 | 10' | 6/22/2016 | In-Situ | 3.08 | 54.6 | - | 3.67 | 1.97 | 3,260 | - | 44.2 | - | - | 8.34 | <0.0220 | <10.2 | - | - | 49.6 |
| VZ Cell C G-5 | 3' - 4' | 11/13/2013 | In-Situ | <2.00 | 67.2 | <1.00 | 2.16 | <2.00 | 1,600 | <2.00 | 24.6 | <3.00 | <2.00 | 4.69 | < 0.0085 | <2.17 | 3.87 | 3.77 | 37.9 |
| | 21 41 | 11/12/2012 | T (2) | 100 | 45.4 | 0.00 | 2.24 | 1.06 | 1.550 | 106 | 20.6 | 2.04 | 1.06 | 121 | 0.0000 | 20.5 | 2.52 | 2.25 | 10.0 |
| VZ Cell D G-1 | 3' - 4' | 11/13/2013 | In-Situ | <1.96 | 47.4 | < 0.98 | 2.36 | <1.96 | 1,550 | <1.96 | 20.6 | <2.94 | <1.96 | 4.34 | <0.0098 | 30.7 | 3.52 | 3.27 | 18.9 |
| VZ Cell D G-1 VZ Cell D G-1 | 7' 10' | 6/22/2016 6/22/2016 | In-Situ In-Situ | - | - | - | - | <1.75 <2.08 | - | - | - | - | - | - | <0.0226 <0.0260 | <10.2 <10.7 | - | 1.27 | <10.2 <10.7 |
| | | | | | | | | | | | | | | | | | | | |
| VZ Cell D G-2 | 3' - 4' | 11/13/2013 | In-Situ | <1.82 | 27.5 | < 0.91 | 2.68 | <1.82 | 2,110 | <1.82 | 31.4 | <2.73 | <1.82 | 6.43 | < 0.0093 | 10.3 | 1.54 | 5.00 | 4.63 |
| VZ Cell D G-4 | 3' - 4' | 11/13/2013 | In-Situ | <1.89 | 39.3 | < 0.94 | 2.17 | <1.89 | 1,510 | <1.89 | 18.4 | <2.83 | <1.89 | 3.78 | <0.0098 | 3.29 | 1.51 | < 0.80 | 8.72 |
| VZ Cell D G-5 | 3' - 4' | 11/13/2013 | In-Situ | 3.88 | 86.7 | < 0.98 | 3.46 | <1.96 | 2,300 | <1.96 | 34.3 | <2.94 | <1.96 | 6.58 | < 0.0098 | 3.45 | 4.31 | 1.98 | 17.9 |
| VZ Cell D G-5 | 7' | 6/22/2016 | In-Situ | 5.11 | 124 | - | 11.8 | 5.18 | 10,100 | - | 118 | - | - | 23.6 | < 0.0384 | - | 8.12 | - | <16.2 |
| VZ Cell D G-5 | 10' | 6/22/2016 | In-Situ | 6.76 | 42.6 | - | 9.17 | 3.10 | 9,050 | - | 56.8 | - | - | 18.8 | < 0.0274 | - | 9.13 | - | <12.7 |
| VZ Cell E G-1 | 3' - 4' | 11/13/2013 | In-Situ | <1.96 | 46.5 | < 0.98 | 3.33 | <1.96 | 2,500 | <1.96 | 58.7 | <2.94 | <1.96 | 6.37 | < 0.0089 | <2.26 | 3.15 | < 0.80 | 8.87 |

2013 -2016 CONCENTRATIONS OF TOTAL METALS , ANIONS AND CATIONS IN THE VADOSE ZONE

| | CAMPIE | | | METHOD: EPA 6020A SW-846 7- | | | | | | | | | SW-846 7471A | 7471A EPA Method 300/300.1 | | | | | |
|--------------------|--------------------------|----------------|----------------|-----------------------------|-------------------|--------------------|---------------------|-------------------|-----------------|-----------------|----------------------|---------------------|-------------------|----------------------------|--------------------|---------------------|---------------------|--------------------|--------------------|
| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (mg/kg) | Copper (mg/kg) | Iron (mg/kg) | Lead (mg/kg) | Manganese (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Zinc (mg/kg) | Mercury (mg/kg) | Chloride (mg/kg) | Fluoride (mg/kg) | Nitrate (mg/kg) | Sulfate (mg/kg) |
| VZ Cell E G-2 | 3' - 4' | 11/13/2013 | In-Situ | <1.85 | 18.1 | < 0.93 | 1.49 | <1.85 | 998 | <1.85 | 17.0 | <2.78 | <1.85 | 2.93 | < 0.0091 | 3.01 | 2.06 | 4.44 | 28.8 |
| | | | | | | | | | | | | | | | | | | | |
| VZ Cell E G-3 | 3' - 4' | 11/13/2013 | In-Situ | 3.95 | 98.0 | < 0.96 | 2.91 | 1.96 | 2,050 | <1.92 | 46.9 | <2.88 | 1.93 | 7.09 | < 0.0094 | 3.58 | 3.29 | 12.1 | 52.3 |
| VZ Cell E G-3 | 7' | 6/23/2016 | In-Situ | 1.13 | 15.0 | - | 4.38 | - | - | - | 50.4 | - | - | 10.8 | < 0.0286 | - | - | 5.85 | 18.2 |
| VZ Cell E G-3 | 10' | 6/23/2016 | In-Situ | 3.40 | 30.6 | - | 7.64 | - | - | - | 74.9 | - | - | 19.0 | < 0.0289 | - | - | 6.34 | 21.3 |
| VZ Cell E G-4 | 3' - 4' | 11/13/2013 | In-Situ | 4.19 | 110 | < 0.96 | 4.65 | <1.92 | 3,240 | 2.39 | 55.0 | <2.88 | <1.92 | 10.2 | < 0.0094 | 3.73 | 4.35 | 10.2 | 18.8 |
| VZ Cell F G-2 | 3' - 4' | 11/13/2013 | In-Situ | <1.89 | 14.8 | < 0.94 | 0.998 | <1.89 | 664 | <1.89 | 10.0 | <2.83 | <1.89 | <2.83 | < 0.0083 | 2.99 | 0.97 | <0.08 | <4.00 |
| VZ Cell F G-3 | 3' - 4' | 11/13/2013 | In-Situ | 3.23 | 85.0 | <0.91 | 2.81 | <1.82 | 1,940 | <1.82 | 45.7 | <2.73 | <1.82 | 6.71 | <0.0096 | 17.4 | 3.54 | 2.08 | 54.9 |
| VZ Cell F G-4 | 3' - 4' | 11/13/2013 | In-Situ | <1.96 | 43.5 | <0.98 | 2.12 | <1.96 | 1,470 | <1.96 | 26.3 | <2.94 | <1.96 | 3,95 | <0.0098 | 15.3 | 1.49 | 2.90 | 9.10 |
| TE COMP CO. | 3 . | 11/10/2015 | III BIKU | 1130 | 10.0 | 0.50 | 2.12 | 1100 | 1,170 | 1100 | 20.5 | 2.7 | 1100 | 3.55 | 0.0090 | 10.0 | 11.17 | 2.50 | 3110 |
| VZ Cell F G-5 | 3' - 4' | 11/13/2013 | In-Situ | <1.82 | 8.41 | < 0.91 | 2.45 | <1.82 | 2,150 | <1.82 | 15.5 | <2.73 | <1.82 | 5.55 | < 0.0089 | 6.99 | < 0.80 | < 0.80 | 6.50 |
| VZ Cell F G-5 | 7' | 6/23/2016 | In-Situ | - | - | 1 | 3.12 | < 2.01 | - | - | 19.4 | - | • | - | < 0.0238 | <10.5 | < 5.27 | 3.05 | - |
| VZ Cell F G-5 | 10' | 6/23/2016 | In-Situ | - | - | - | 4.63 | <2.24 | - | - | 29.8 | - | - | - | < 0.0251 | 12.9 | < 5.68 | <1.14 | - |
| VZ Cell G G-1 | 3' - 4' | 11/13/2013 | In-Situ | <1.96 | 5.10 | < 0.98 | 1.70 | <1.96 | 1,370 | <1.96 | 19.5 | <2.94 | <1.96 | <2.94 | <0.0094 | 6.59 | <0.80 | 1.85 | 6.35 |
| VZ Cell G G-2 | 3' - 4' | 11/13/2013 | In-Situ | <1.96 | 6.29 | <0.98 | 1.70 | <1.96 | 1,260 | <1.96 | 18.1 | <2.94 | <1.96 | <2.94 | <0.0098 | 2.98 | < 0.80 | 1.73 | <4.00 |
| VZ Cell G G-4 | 3' - 4' | 11/13/2013 | In-Situ | <1.89 | 6.62 | <0.94 | 1.87 | <1.89 | 1,410 | <1.89 | 13.7 | <2.83 | <1.89 | <2.83 | < 0.0086 | 6.03 | < 0.80 | 9.01 | 8.26 |
| VZ Cell G G-5 | 3' - 4' | 11/13/2013 | In-Situ | <2.00 | 22.9 | <1.00 | 8.77 | <2.00 | 8,640 | 3.80 | 39.9 | <3.00 | <2.00 | 19.0 | <0.0094 | 3.24 | 1.46 | 2.97 | 10.7 |
| VZ Cell G G-5 | 7' | 6/23/2016 | In-Situ | - | - | - | 8.85 | 2.29 | 8,120 | 4.17 | 40.9 | - | - | - | < 0.0278 | - | - | 1.61 | - |
| VZ Cell G G-5 | 10' | 6/23/2016 | In-Situ | - | - | - | 4.50 | 2.93 | 4,260 | 2.86 | 84.1 | - | - | - | < 0.0293 | - | - | 5.01 | - |
| VZ Cell H G-2 | 3' - 4' | 11/13/2013 | In-Situ | <2.00 | 9.65 | <1.00 | 2.06 | <2.00 | 1,680 | <2.00 | 23.9 | <3.00 | <2.00 | 4.04 | < 0.0100 | 15.9 | <0.80 | 2.5 | 16.5 |
| VZ Cell H G-3 | 3' - 4' | 11/13/2013 | In-Situ | <2.00 | 10.1 | <1.00 | 2.11 | <2.00 | 1,740 | <2.00 | 22.2 | <3.00 | <2.00 | 4.49 | < 0.0100 | 4.89 | < 0.80 | < 0.80 | <4.00 |
| VZ Cell H G-3 | 7' | 6/23/2016 | In-Situ | - | _ | - | - | <2.26 | - | - | - | _ | - | - | < 0.0267 | <11.3 | < 5.65 | 1.26 | <11.3 |
| VZ Cell H G-3 | 10' | 6/23/2016 | In-Situ | - | - | - | - | 2.20 | - | - | - | - | - | - | < 0.0250 | <11.1 | 6.34 | <1.11 | <11.1 |
| VZ Cell H G-4 | 3' - 4' | 11/13/2013 | In-Situ | <1.75 | 11.2 | <0.88 | 2.45 | <1.75 | 2,150 | <1.75 | 22.9 | <2.63 | <1.75 | 5.13 | 0.0240 | 2.81 | 0.988 | < 0.80 | <4.00 |
| VZ Cell H G-5 | 3' - 4' | 11/13/2013 | In-Situ | <1.85 | 9.12 | < 0.93 | 2.11 | <1.85 | 1,800 | <1.85 | 21.5 | <2.78 | <1.85 | 4.19 | < 0.0091 | 3.07 | 0.998 | 1.83 | 5.79 |
| | | | | | | | | | , | | | | | | | | | | |

2017 BACKGROUND CONCENTRATIONS OF TOTAL METALS, ANIONS AND CATIONS IN THE VADOSE ZONE OF CELL "I"

| | | | | | | | | METH | IOD: EPA | 6020A | | | | | SW-846 7471A | F | EPA Method 300/300.1 | | |
|--------------------|---------|----------------|----------------|--------------------|-------------------|--------------------|---------------------|-------------------|-----------------|-----------------|----------------------|---------------------|-------------------|-----------------|--------------------|---------------------|----------------------|--------------------|--------------------|
| SAMPLE LOCATION | DEPTH | SAMPLE DATE | SOIL STATUS | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (mg/kg) | Copper (mg/kg) | Iron (mg/kg) | Lead (mg/kg) | Manganese (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Zinc (mg/kg) | Mercury (mg/kg) | Chloride (mg/kg) | Fluoride (mg/kg) | Nitrate (mg/kg) | Sulfate (mg/kg) |
| Cell "I" @ 6-7' | 6' - 7' | 12/18/2017 | - | < 0.980 | 73.2 | - | < 0.980 | <1.96 | 4540 | < 0.980 | 61.2 | <2.94 | - | 10.3 | 0.00410 | 3.73 | 7.82 | 2.59 | 14.6 |
| Cell "I" @ 9-10' | 9- 10' | 12/18/2017 | - | 6.16 | 15.1 | - | 5.69 | <1.89 | 5730 | 2.40 | 27.3 | <2.83 | - | 11.7 | < 0.0179 | 8.63 | 8.05 | 3.67 | 119 |

2017 BACKGROUND CONCENTRATIONS OF TCLP METALS IN THE VADOSE ZONE OF CELL "I"

| Г | | | | | | | | | METHO | OD: EPA 6 | 020A | | | | | SW-846 7471A | |
|---|--------------------|--------------------------|----------------|---|----------------|-------------------|------------------|-------------------|--------------------|---------------|----------------|----------------|---------------------|--------------------|------------------|----------------|-------------------|
| | SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | | SOIL STATUS | Arsenic (mg/L) | Barium (mg/L) | Cadmium (mg/L) | Chromium (mg/L) | Copper (mg/L) | Iron (mg/L) | Lead (mg/L) | Manganese (mg/L) | Selenium (mg/L) | Silver (mg/L) | Zinc (mg/L) | Mercury (mg/L) |
| (| Cell "I" @ 6-7' | 6-7' | 12/18/2017 | - | < 0.0500 | 1.24 | < 0.0250 | < 0.0500 | < 0.100 | <1.00 | < 0.0500 | 0.121 | - | - | 0.358 | < 0.000200 | |
| C | Cell "I" @ 9-10' | 9-10' | 12/18/2017 | - | < 0.0168 | 0.542 | < 0.000656 | < 0.00681 | < 0.00488 | 0.184 | < 0.00916 | < 0.00292 | - | - | 0.327 | < 0.000100 | |



Appendix A Photographs



















Appendix B 2019 Laboratory Analytical Reports

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061
Location: Lea County, NM

Lab Order Number: 9F28011



NELAP/TCEQ # T104704516-18-9

Report Date: 07/08/19

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061
Project Manager: Curt Stanley

10 Desta Dr STE 150E Midland TX, 79705 Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|------------------|
| TZ Cell A G1 | 9F28011-01 | Soil | 06/27/19 06:00 | 06-27-2019 16:05 |
| TZ Cell A G2 | 9F28011-02 | Soil | 06/27/19 06:05 | 06-27-2019 16:05 |
| TZ Cell A G3 | 9F28011-03 | Soil | 06/27/19 06:10 | 06-27-2019 16:05 |
| TZ Cell A G4 | 9F28011-04 | Soil | 06/27/19 06:15 | 06-27-2019 16:05 |
| TZ Cell A G5 | 9F28011-05 | Soil | 06/27/19 06:20 | 06-27-2019 16:05 |

10 Desta Dr STE 150E Midland TX, 79705 Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

Project Number: SRS# 2004-00 Project Manager: Curt Stanley

> TZ Cell A G1 9F28011-01 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------------|--------------------|-----------|-----------|---------|----------|----------|------------|-------|
| | Pern | nian Basin F | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 3.30 | 1.02 | mg/kg dry | 1 | P9G0404 | 07/04/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | oy EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 72.6 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 81.8 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

> TZ Cell A G2 9F28011-02 (Soil)

| | | Reporting | | | | | | | |
|---------------------------------------|------------------|--------------|-----------|-----------|---------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Pern | nian Basin F | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 4.43 | 1.08 | mg/kg dry | 1 | P9G0404 | 07/04/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 7.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 l | oy EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 26.9 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 26.9 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 26.9 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 82.0 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 93.2 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 26.9 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell A G3 9F28011-03 (Soil)

| | | Reporting | | | | | | | |
|---------------------------------------|------------------|--------------|------------|-----------|---------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Pern | nian Basin F | Environmei | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 7.09 | 1.02 | mg/kg dry | 1 | P9G0404 | 07/04/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 l | oy EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 74.0 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 83.6 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell A G4 9F28011-04 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------|--------------------|-----------|-----------|---------|----------|----------|------------|-------|
| | Pern | nian Basin I | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | / Standard Method | ls | | | | | | | |
| Chloride | 7.81 | 1.01 | mg/kg dry | 1 | P9G0404 | 07/04/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 1.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 | by EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.3 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.3 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.3 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 68.2 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | S-GC |
| Surrogate: o-Terphenyl | | 78.4 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.3 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell A G5 9F28011-05 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|------------|-----------|---------|----------|----------|------------|-------|
| | Perm | ian Basin F | Environmer | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | s | | | | | | | |
| Chloride | 1.01 | 1.00 | mg/kg dry | 1 | P9G0404 | 07/04/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | ND | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | y EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.0 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.0 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.0 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 70.5 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 79.8 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.0 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------------------|--------|--------------------|-----------|----------------|------------------------|----------|----------------|------|--------------|-------|
| Batch P9G0101 - *** DEFAULT PREP *** | • | - | | _ | | | | | _ | |
| Blank (P9G0101-BLK1) | | | | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P9G0101-DUP1) | Sou | ce: 9F28014- | 05 | Prepared & | d & Analyzed: 07/01/19 | | | | | |
| % Moisture | 2.0 | 0.1 | % | | 1.0 | | | 66.7 | 20 | |
| Duplicate (P9G0101-DUP2) | Sou | ce: 9F28019- | 05 | Prepared & | : Analyzed: | 07/01/19 | | | | |
| % Moisture | 17.0 | 0.1 | % | - | 18.0 | | | 5.71 | 20 | |
| Duplicate (P9G0101-DUP3) | Sou | ce: 9F28021- | 01 | Prepared & | : Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 3.0 | | | 0.00 | 20 | |
| Duplicate (P9G0101-DUP4) | Sou | ce: 9F28024- | 01 | Prepared & | : Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 2.0 | | | 40.0 | 20 | |
| Batch P9G0404 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0404-BLK1) | | | | Prepared & | : Analyzed: | 07/04/19 | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| LCS (P9G0404-BS1) | | | | Prepared & | : Analyzed: | 07/04/19 | | | | |
| Chloride | 192 | 1.00 | mg/kg wet | 200 | | 95.9 | 80-120 | | | |
| LCS Dup (P9G0404-BSD1) | | | | Prepared & | : Analyzed: | 07/04/19 | | | | |
| Chloride | 194 | 1.00 | mg/kg wet | 200 | | 97.2 | 80-120 | 1.33 | 20 | |
| Calibration Blank (P9G0404-CCB1) | | | | Prepared & | : Analyzed: | 07/04/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |

Project: Lea Station Landfarm oject Number: SRS# 2004-00061

Fax: (432) 520-7701

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--------------------------------------|--------|-------------|-----------|-------------|--------------------|-------------|--------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9G0404 - *** DEFAULT PREP *** | | | | | | | | | | |
| Calibration Blank (P9G0404-CCB2) | | | | Prepared: (| <u>07/04/</u> 19 A | nalyzed: 07 | /05/19 | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |
| Calibration Check (P9G0404-CCV1) | | | | Prepared & | Analyzed: | 07/04/19 | | | | |
| Chloride | 10.2 | | mg/kg | 10.0 | | 102 | 0-200 | | | |
| Calibration Check (P9G0404-CCV2) | | | | Prepared: (|)7/04/19 A | nalyzed: 07 | /05/19 | | | |
| Chloride | 9.67 | | mg/kg | 10.0 | | 96.7 | 0-200 | | | |
| Calibration Check (P9G0404-CCV3) | | | | Prepared: (|)7/04/19 A | nalyzed: 07 | /05/19 | | | |
| Chloride | 10.0 | _ | mg/kg | 10.0 | | 100 | 0-200 | | | |
| Matrix Spike (P9G0404-MS1) | Sour | ce: 9F27022 | -02 | Prepared & | Analyzed: | 07/04/19 | | | | |
| Chloride | 1190 | 1.19 | mg/kg dry | 595 | 670 | 86.5 | 80-120 | | | |
| Matrix Spike (P9G0404-MS2) | Sour | ce: 9F27022 | -12 | Prepared: (|)7/04/19 A | nalyzed: 07 | /05/19 | | | |
| Chloride | 570 | 1.08 | mg/kg dry | 538 | 63.3 | 94.2 | 80-120 | | | |
| Matrix Spike Dup (P9G0404-MSD1) | Sour | ce: 9F27022 | -02 | Prepared & | Analyzed: | 07/04/19 | | | | |
| Chloride | 1100 | 1.19 | mg/kg dry | 595 | 670 | 73.0 | 80-120 | 7.06 | 20 | |
| Matrix Spike Dup (P9G0404-MSD2) | Sour | ce: 9F27022 | -12 | Prepared: (|)7/04/19 A | nalyzed: 07 | /05/19 | | | |
| Chloride | 575 | 1.08 | mg/kg dry | 538 | 63.3 | 95.1 | 80-120 | 0.893 | 20 | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|-----------|-----------|-------------|-------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2905 - TX 1005 | | | | | | | | | | |
| Blank (P9F2905-BLK1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 79.5 | | " | 100 | | 79.5 | 70-130 | | | |
| Surrogate: o-Terphenyl | 41.5 | | " | 50.0 | | 83.0 | 70-130 | | | |
| LCS (P9F2905-BS1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 908 | 25.0 | mg/kg wet | 1000 | | 90.8 | 75-125 | | | |
| >C12-C28 | 839 | 25.0 | " | 1000 | | 83.9 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 97.5 | | " | 100 | | 97.5 | 70-130 | | | |
| Surrogate: o-Terphenyl | 37.7 | | " | 50.0 | | 75.3 | 70-130 | | | |
| LCS Dup (P9F2905-BSD1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 856 | 25.0 | mg/kg wet | 1000 | | 85.6 | 75-125 | 5.84 | 20 | |
| >C12-C28 | 821 | 25.0 | " | 1000 | | 82.1 | 75-125 | 2.17 | 20 | |
| Surrogate: 1-Chlorooctane | 92.4 | | " | 100 | | 92.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 36.2 | | " | 50.0 | | 72.4 | 70-130 | | | |
| Calibration Blank (P9F2905-CCB1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 5.92 | | mg/kg wet | | | - | | | | |
| >C12-C28 | 12.8 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 68.8 | | " | 100 | | 68.8 | 70-130 | | | S-GC |
| Surrogate: o-Terphenyl | 36.4 | | " | 50.0 | | 72.7 | 70-130 | | | |
| Calibration Blank (P9F2905-CCB2) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 7.37 | | mg/kg wet | | | | | | | |
| >C12-C28 | 14.7 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 66.3 | | " | 100 | | 66.3 | 70-130 | | | S-GC |
| Surrogate: o-Terphenyl | 36.2 | | " | 50.0 | | 72.4 | 70-130 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|--------------------|-----------|----------------|------------------|-------------|----------------|------|--------------|--------|
| - | Result | Linit | Omts | Level | Result | 70ICLC | Limits | KI D | Liiiit | 110103 |
| Batch P9F2905 - TX 1005 | | | | | | | | | | |
| Calibration Check (P9F2905-CCV1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | //01/19 | | | |
| C6-C12 | 441 | 25.0 | mg/kg wet | 500 | | 88.2 | 85-115 | | | |
| >C12-C28 | 461 | 25.0 | " | 500 | | 92.2 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 94.0 | | " | 100 | | 94.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 42.8 | | " | 50.0 | | 85.5 | 70-130 | | | |
| Calibration Check (P9F2905-CCV2) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | //01/19 | | | |
| C6-C12 | 485 | 25.0 | mg/kg wet | 500 | | 96.9 | 85-115 | | | |
| >C12-C28 | 522 | 25.0 | " | 500 | | 104 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 102 | | " | 100 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47.4 | | " | 50.0 | | 94.8 | 70-130 | | | |
| Duplicate (P9F2905-DUP1) | Sou | rce: 9F28013 | 5-03 | Prepared: (| 06/29/19 A | nalyzed: 07 | //02/19 | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | | 9.86 | | | | 20 | |
| >C12-C28 | 21.0 | 25.5 | " | | 15.2 | | | 32.2 | 20 | |
| Surrogate: 1-Chlorooctane | 80.2 | | " | 102 | | 78.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 44.6 | | " | 51.0 | | 87.5 | 70-130 | | | |

TRC Solutions- Midland, Texas 10 Desta Dr STE 150E

Midland TX, 79705

Project: Lea Station Landfarm Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

| | Dien | Darwort | | |
|---------------------|------|---------|-------|----------|
| Report Approved By: | | | Date: | 7/8/2019 |

D AR

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

| | Relinquished by Relinquished by | Relinquis | Special | | | | | ن ري | E | (S) | 2 | _ | LAB # (lab use only) | ORDER #: | (lab use only) | | | | | | | |
|------------------------|--|---|--|----------|--------------|----------|-----------------|--------------|--------------|--------------|--------------|--|--|----------------|--|------------------------------|------------------|------------------|--|-------------------------------|----------------------|--|
| | shed by | New by For | Special Instructions: Bill to Plains | | | | . 18 | 721 | 7.21 | 72. | 727 | 721 | | R#: 11.70011 | | Sampler Signature: | Telephone No: | City/State/Zip: | Company Address: 10 Desta Drive, Suite 150 E | Company Name | Project Manager: | 1541140140 |
| | | CV.5 6/27 | | | | | | TZ Cell A G5 | TZ Cell A G4 | TZ Cell A G3 | TZ Cell A G2 | TZ Cell A G1 | FIELD CODE | | | Her 5 | (432)520-7720 | Midland/TX/79705 | 10 Desta Drive, Suil | TRC Environmental Corporation | Curt Stanley | |
| | 27/A | Date 27/19 | | | | | | | | | | | | | | T. | - | | te 150 E | Corpora | | |
| | 16 05 m | Od b O | | | | | | | | | | | Beginning Depth | | | PV | | | | ation | | 1 |
| | | Time | | | | | | | | | | | Ending Depth | | | M | | | • | | | |
| WW | Received by: | Received by: | | | | | | 6/27/2019 | 6/27/2019 | 6/27/2019 | 6/27/2019 | 6/27/2019 | Date Sampled | | | Sorpe | | | | | | Permian Basi 10014 S. Cou Midland, Tex |
| 1 | * * * * * * * * * * | A | | | | | | 0620 | 0615 | 0610 | 2090 | 0600 | Time Sampled | | | For Dercke-mail: | Fax No:_ | | | | | . |
| | | | | ┝ | \vdash | | | _ | _ | _ | <u> </u> | _ | Field Filtered Total #. of Containers | | | 8 | | | | | | Permian Basin Environmental Lab, LP 10014 S. County Road 1213 Midland, Texas 79706 |
| $\ (\tilde{\ })\ $ | | \bigvee | | | | | | × | × | × | × | × | tce | | ĺ | cdstanley@trcs cjbryant@p | | | | | | an Bu |
| | | | | | <u> </u> | | | | | | <u></u> | | HNO ₃ | Preservation & | | | | | | | | exa; |
| 1 | 4. | | | <u> </u> | <u> </u> | · | | | | | | | HCI | vation | | <u>\$</u> | | 1 | | | • | Environty Roas |
| | | | | \vdash | ╀ | | | | | | - | <u> </u> | H₂SO₄ | * | | S 200 | | | | | | ironn load |
| Table 1 | 1 | | | - | \vdash | \vdash | | | | - | ┢ | | NaOH Na ₂ S ₂ O ₃ | # of Co | | solutions.c | | | | | | men 121 |
| 6 | | | | | | | | | | \vdash | \vdash | | None | Containers | | | | | | | | 3 <u>19</u> |
| 100 | | | | \vdash | ╁ | | | | | | ╁┈ | | Other (Specify) | ⊣ § | | S.C | | | | | | <u>a</u> b, |
| JP . | Date o | Date | | | | | | Soil | Soil | Soil | Soil | Soil | DW=Drinking Water SL=Sludge GW = Groundwater S=Sojl/Soild NP=Non-Poteble Specify Other | ₹. | | solutions.com paalp.com | _ Report Format: | ' | ' - | • | l Pro | 5 |
| 16:05 | Time | Time | | | | | | × | × | × | × | × | | 8015B | | П | For | | Project Loc: | Pro | Project Name: | |
| | | | | | _ | Ш | | | | | _ | <u> </u> | TPH: TX 1005 TX 100 |)6 | | | nat: | PO # | : : | Project #: | Nam | |
| Received: Adjusted: | Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS I Temperature Upon Receipt: | Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) | Laboratory Comments: Sample Goulainers Intact? VOCs Free of Headspace? | <u> </u> | | | | | | | | _ | Cations (Ca, Mg, Na, K) | | | | | # | ı I | ;# | ı I | |
| E | npie Hand Leilvered by Sampler/Client Rep. ? by Courier? UPS nperature Upop Receipt | els on tody s | Fe | \vdash | \vdash | | $\vdash \vdash$ | | | - | | ├ | Anions (CI, SO4, Alkalinity) SAR / ESP / CEC | | TOTAL: | | ⊠ ∽ | | | | | |
| N 13 | | eals | 9 E O | - | 1 | | | | \vdash | | | | Metals: As Ag Ba Cd Cr Pb I | da Se | <u> </u> | 1 I | Standard | | | | | 뫋 |
| 4.5 | \$ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | on an | 景画の | | + | | \vdash | | \vdash | | \vdash | \vdash | Volatiles | .,5 00 | \vdash | | ard | | | | _ | ione |
| | ent R | ainer(s) on container(s) on conter(s) | id spinien | \vdash | \vdash | | | | | - | \vdash | | Semivolatiles | | \vdash | Analyze For: | | | _ | | Lea Station Landfarm | Phone: 432-661-4184 |
| ိုင် Factor | t Rep. | aine | g P | \vdash | \vdash | - | | | \vdash | | + | \vdash | BTEX 8021B/5030 or BTEX | 8260 | + | 릵 | | | Lea County, NM | 200 | Stat | 32-6 |
| Fact | <u>`</u> `₽`` | (S) | | | | | H | | | | T | 1 | RCI | | | 11 | _ | | | 2004-00061 | Įģ. | 61 4 |
| 9 | | | | | | | | | | | | | N.O.R.M. | | | 1 l | TRRP | | ĮŽ, | 006 | la _r | 1184 |
| | Feder | | | | | | | × | × | × | × | × | Chlorides E 300 | | |] | | | ξ | 7 | 댦 | _ |
| 12 | ₩c | 数人 | | | | | | | | | | | Paint Filter | | |] [| | | | | 3 | |
| 6 | ੂ | | | | | | | | | | | | TCLP BTEX | | | Ш | NPDES | | | | | |
| | one Star | ZZZ | ZZ | | | | | | | | | | RUSH TAT (Pre-Schedule) | 24, 48, | 72 hrs | | DES | | | Щ | | |
| | | | | | 1 | | i T | × | × | \times | V | ' | Standard TAT | | | | | 1 | | l Pa | age | 13 of 13 |

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061
Location: Lea County, NM

Lab Order Number: 9F28013



NELAP/TCEQ # T104704516-18-9

Report Date: 07/08/19

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|------------------|
| TZ Cell B G1 | 9F28013-01 | Soil | 06/27/19 06:25 | 06-27-2019 16:05 |
| TZ Cell B G2 | 9F28013-02 | Soil | 06/27/19 06:30 | 06-27-2019 16:05 |
| TZ Cell B G3 | 9F28013-03 | Soil | 06/27/19 06:35 | 06-27-2019 16:05 |
| TZ Cell B G4 | 9F28013-04 | Soil | 06/27/19 06:40 | 06-27-2019 16:05 |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell B G1 9F28013-01 (Soil)

| | | Reporting | | | | | | | |
|--|-----------------|-------------|-----------|-------------|---------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Perm | ian Basin E | Environme | ntal Lab, l | L.P. | | | | |
| General Chemistry Parameters by EPA / S | Standard Method | ls | | | | | | | |
| Chloride | 2.37 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 by | EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 90.1 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 99.4 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

> TZ Cell B G2 9F28013-02 (Soil)

| | | Reporting | | | | | | | |
|---|-----------------|-------------|-----------|-------------|--------------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Perm | ian Basin E | Environme | ıtal Lab, l | L .P. | | | | |
| General Chemistry Parameters by EPA / S | Standard Method | ls | | | | | | | |
| Chloride | 1.30 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 by | EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 85.3 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 94.3 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell B G3 9F28013-03 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|-----------------|--------------------|-----------|-------------|---------|----------|----------|------------|-------|
| | Perm | ian Basin E | nvironmer | ntal Lab, l | L.P. | | | | |
| General Chemistry Parameters by EPA / | Standard Method | s | | | | | | | |
| Chloride | 1.87 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | y EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 77.8 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 86.4 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm t Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

TZ Cell B G4 9F28013-04 (Soil)

| | - 1 | Reporting | | B.11 . 1 | | | | | |
|---------------------------------------|-----------------|-------------|-----------|-------------|---------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Perm | ian Basin F | Environme | ıtal Lab, l | L.P. | | | | |
| General Chemistry Parameters by EPA / | Standard Method | ls | | | | | | | |
| Chloride | ND | 1.01 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 1.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | y EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.3 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.3 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.3 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 96.6 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 107 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.3 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------------------|--------------------|--------------------|------------|-------------------------------|------------------|----------|----------------|-------|--------------|-------|
| Batch P9G0101 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0101-BLK1) | | | | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P9G0101-DUP1) | Sour | rce: 9F28014- | 05 | Prepared & | : Analyzed: | 07/01/19 | | | | |
| % Moisture | 2.0 | 0.1 | % | | 1.0 | | | 66.7 | 20 | |
| Duplicate (P9G0101-DUP2) | Sour | rce: 9F28019- | 05 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 17.0 | 0.1 | % | | 18.0 | | | 5.71 | 20 | |
| Duplicate (P9G0101-DUP3) | Sour | rce: 9F28021- | 01 | Prepared & | : Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | - | 3.0 | | | 0.00 | 20 | |
| Duplicate (P9G0101-DUP4) | Source: 9F28024-01 | | Prepared & | Prepared & Analyzed: 07/01/19 | | | | | | |
| % Moisture | 3.0 | 0.1 | % | | 2.0 | | | 40.0 | 20 | |
| Batch P9G0501 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0501-BLK1) | · · · · · · | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | ND | 1.00 | mg/kg wet | - | | | | | | |
| LCS (P9G0501-BS1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 194 | 1.00 | mg/kg wet | 200 | | 97.1 | 80-120 | | | |
| LCS Dup (P9G0501-BSD1) | | | | Prepared & | : Analyzed: | 07/05/19 | | | | |
| Chloride | 196 | 1.00 | mg/kg wet | 200 | | 97.8 | 80-120 | 0.754 | 20 | |
| Calibration Blank (P9G0501-CCB1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | - | | | | | | |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--------------------------------------|--------|--------------|-----------|------------|-----------|------------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9G0501 - *** DEFAULT PREP *** | | | | | | | | | | |
| Calibration Blank (P9G0501-CCB2) | | | | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |
| Calibration Check (P9G0501-CCV1) | | | | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 9.76 | | mg/kg | 10.0 | | 97.6 | 0-200 | | | |
| Calibration Check (P9G0501-CCV2) | | | | Prepared & | Analyzed | : 07/05/19 | | | | |
| Chloride | 9.99 | | mg/kg | 10.0 | | 99.9 | 0-200 | | | |
| Calibration Check (P9G0501-CCV3) | | | | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 9.54 | | mg/kg | 10.0 | | 95.4 | 0-200 | | | |
| Matrix Spike (P9G0501-MS1) | Sou | rce: 9F28012 | 2-05 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 468 | 1.02 | mg/kg dry | 510 | 1.26 | 91.4 | 80-120 | | | |
| Matrix Spike (P9G0501-MS2) | Sou | rce: 9F28015 | 5-01 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 476 | 1.03 | mg/kg dry | 515 | 2.57 | 91.8 | 80-120 | | | |
| Matrix Spike Dup (P9G0501-MSD1) | Sou | rce: 9F28012 | 2-05 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 480 | 1.02 | mg/kg dry | 510 | 1.26 | 93.8 | 80-120 | 2.56 | 20 | |
| Matrix Spike Dup (P9G0501-MSD2) | Sou | rce: 9F28015 | 5-01 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 494 | 1.03 | mg/kg dry | 515 | 2.57 | 95.3 | 80-120 | 3.73 | 20 | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|--------------------|-----------|----------------|------------------|-------------|----------------|------|--------------|-------|
| Batch P9F2905 - TX 1005 | | | | | | | | | | |
| Blank (P9F2905-BLK1) | | | | Prepared: (| 06/29/19 A: | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 79.5 | | " | 100 | | 79.5 | 70-130 | | | |
| Surrogate: o-Terphenyl | 41.5 | | " | 50.0 | | 83.0 | 70-130 | | | |
| LCS (P9F2905-BS1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 908 | 25.0 | mg/kg wet | 1000 | | 90.8 | 75-125 | | | |
| >C12-C28 | 839 | 25.0 | " | 1000 | | 83.9 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 97.5 | | " | 100 | | 97.5 | 70-130 | | | |
| Surrogate: o-Terphenyl | 37.7 | | " | 50.0 | | 75.3 | 70-130 | | | |
| LCS Dup (P9F2905-BSD1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 856 | 25.0 | mg/kg wet | 1000 | | 85.6 | 75-125 | 5.84 | 20 | |
| >C12-C28 | 821 | 25.0 | " | 1000 | | 82.1 | 75-125 | 2.17 | 20 | |
| Surrogate: 1-Chlorooctane | 92.4 | | " | 100 | | 92.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 36.2 | | " | 50.0 | | 72.4 | 70-130 | | | |
| Calibration Blank (P9F2905-CCB1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 5.92 | | mg/kg wet | | | | | | | |
| >C12-C28 | 12.8 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 68.8 | | " | 100 | | 68.8 | 70-130 | | | S-GC |
| Surrogate: o-Terphenyl | 36.4 | | " | 50.0 | | 72.7 | 70-130 | | | |
| Calibration Blank (P9F2905-CCB2) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 7.37 | | mg/kg wet | | | | | | | |
| >C12-C28 | 14.7 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 66.3 | | " | 100 | | 66.3 | 70-130 | | | S-GC |
| Surrogate: o-Terphenyl | 36.2 | | " | 50.0 | | 72.4 | 70-130 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|--------------|-----------|-------------|-------------|-------------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2905 - TX 1005 | | | | | | | | | | |
| Calibration Check (P9F2905-CCV1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /01/19 | | | |
| C6-C12 | 441 | 25.0 | mg/kg wet | 500 | | 88.2 | 85-115 | | | |
| >C12-C28 | 461 | 25.0 | " | 500 | | 92.2 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 94.0 | | " | 100 | | 94.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 42.8 | | " | 50.0 | | 85.5 | 70-130 | | | |
| Calibration Check (P9F2905-CCV2) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /01/19 | | | |
| C6-C12 | 485 | 25.0 | mg/kg wet | 500 | | 96.9 | 85-115 | | | |
| >C12-C28 | 522 | 25.0 | " | 500 | | 104 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 102 | | " | 100 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47.4 | | " | 50.0 | | 94.8 | 70-130 | | | |
| Duplicate (P9F2905-DUP1) | Sou | rce: 9F28013 | -03 | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | | 9.86 | | | | 20 | |
| >C12-C28 | 21.0 | 25.5 | " | | 15.2 | | | 32.2 | 20 | |
| Surrogate: 1-Chlorooctane | 80.2 | | " | 102 | | 78.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 44.6 | | " | 51.0 | | 87.5 | 70-130 | | | |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Blank (P9F2906-BLK1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 98.6 | | " | 100 | | 98.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.8 | | " | 50.0 | | 108 | 70-130 | | | |
| LCS (P9F2906-BS1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | 848 | 25.0 | mg/kg wet | 1000 | | 84.8 | 75-125 | | | |
| >C12-C28 | 933 | 25.0 | " | 1000 | | 93.3 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 115 | | " | 100 | | 115 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.3 | | " | 50.0 | | 107 | 70-130 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|---------------------------------------|-----------|-----------|-------------|-------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| LCS Dup (P9F2906-BSD1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | //02/19 | | | |
| C6-C12 | 893 | 25.0 | mg/kg wet | 1000 | | 89.3 | 75-125 | 5.11 | 20 | |
| >C12-C28 | 968 | 25.0 | " | 1000 | | 96.8 | 75-125 | 3.69 | 20 | |
| Surrogate: 1-Chlorooctane | 118 | | " | 100 | | 118 | 70-130 | | | |
| Surrogate: o-Terphenyl | 48.8 | | " | 50.0 | | 97.7 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | //02/19 | | | |
| C6-C12 | 6.94 | | mg/kg wet | | | | | | | |
| >C12-C28 | 19.4 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 96.0 | | " | 100 | | 96.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 52.2 | | " | 50.0 | | 104 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB2) | Prepared: 06/29/19 Analyzed: 07/02/19 | | | | | | | | | |
| C6-C12 | 8.19 | | mg/kg wet | | | <u> </u> | | | | |
| >C12-C28 | 23.9 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | | " | 100 | | 94.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 51.2 | | " | 50.0 | | 102 | 70-130 | | | |
| Calibration Check (P9F2906-CCV1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | //02/19 | | | |
| C6-C12 | 434 | 25.0 | mg/kg wet | 500 | | 86.7 | 85-115 | | | |
| >C12-C28 | 444 | 25.0 | " | 500 | | 88.9 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 101 | | " | 100 | | 101 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47.5 | | " | 50.0 | | 95.0 | 70-130 | | | |
| Calibration Check (P9F2906-CCV2) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | //02/19 | | | |
| C6-C12 | 441 | 25.0 | mg/kg wet | 500 | | 88.1 | 85-115 | | | |
| >C12-C28 | 484 | 25.0 | " | 500 | | 96.8 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 102 | | " | 100 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 49.2 | | " | 50.0 | | 98.3 | 70-130 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | D 1 | Reporting | T T 10 | Spike | Source | A/DEC | %REC | DDD | RPD | 3 7 . |
|----------------------------------|--------|-------------|---------------|-------------|------------|-------------|---------|------|-------|--------------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Calibration Check (P9F2906-CCV3) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | //02/19 | | | |
| C6-C12 | 505 | 25.0 | mg/kg wet | 500 | | 101 | 85-115 | | | |
| >C12-C28 | 515 | 25.0 | " | 500 | | 103 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 93.4 | | " | 100 | | 93.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 43.6 | | " | 50.0 | | 87.1 | 70-130 | | | |
| Duplicate (P9F2906-DUP1) | Sour | ce: 9F28017 | '-05 | Prepared: (| 06/29/19 A | nalyzed: 07 | //02/19 | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | | 9.94 | | | | 20 | |
| >C12-C28 | 23.9 | 25.8 | " | | 12.5 | | | 62.6 | 20 | |
| Surrogate: 1-Chlorooctane | 86.2 | | " | 103 | | 83.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 46.5 | | " | 51.5 | | 90.1 | 70-130 | | | |

TRC Solutions- Midland, Texas 10 Desta Dr STE 150E

Midland TX, 79705

Project: Lea Station Landfarm Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

| | Dren | Darlor | | |
|---------------------|------|--------|-------|----------|
| Report Approved By: | | | Date: | 7/8/2019 |

0 al

Brent Barron, Laboratory Director/Technical Director

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| | <u> </u> | | ···· | 45.1. | | | ., . | | | | I. | | | 1.5 | | | | | | | | حي دود |
|--|--|--|---|-----------------------|----------------|----------|----------|-------------------|----------------|--|--------------|-------------------------------|---|----------------------------|-----------------|--|----------------|------------------|-----------------------------|-------------------------------|----------------------|--|
| Relinquished by: | Relinquished by | Translation by Alexander | | Special Instructions: | | | | | 4 | S | 7 | _ | LAB#(lab use only) | ORDER #: | (lab use only) | | | | | | | |
| shed by | shed b | | | Instru | | | | <u> </u> | 3, 27 | | | | | | | Sarr | Telé | City | Con | Corr | Proj | |
| Ÿ. | | \mathcal{A}_{*} | | uction | | | | | | | | | | | | Sampler Signature: | Teléphone No: | City/State/Zip: | Company Address: | Company Name | Project Manager: | |
| ر | \mathbb{Z}^{n} | X | Bill to Plains | is: | | | | | | | | | | J-10012 | 3 | Sign | ne No | e/Zip | y Ad | y Na | /lana | |
| | 7 | | Plai | | | | | | 17 | 17 | 7 | 77 | _ | 2 | | atur | Ω | × | dres | me | ger: | |
| ł | 1 1 | | ns | | | | . | | TZ Cell B G4 | TZ Cell B G3 | TZ Cell B | TZ Cell B G1 | FIELD CODE | O | | i G | <u> </u> | IZ | | l <u>.</u> | Ю | |
| (| | 2000 | | | | l | 1 | | I B C | I B C | I B | I B C | COB | | | 2 | (432)520-7720 | Midland/TX/79705 | 10 Desta Drive, Suite 150 E | RCE | Curt Stanley | |
| . \ | | | | | | | Ì | | 4 | ដ | 92 | 12 | m | | | Ore | 20-7 | Ş | ia D | nviro | anle | |
| | | b | - | | | | | | | | | | : | - - | | 100 | 720 | 7970 | ńve, | nme | | |
| Date | /27/19 | 27 | 2 | | | | | | | ŀ | | | : | | N + 41 | | | 5 | Suite | ntal C | | |
| ਰ | -2 | 27/19 | 5 | | | | | | | | | | | | | (A) | | | 150 | orpo | | |
| | - | | 1 | f | \dashv | _ | | 1 | | | T | 1 | Beginning Depth | 7 | | 7. | | | m | TRC Environmental Corporation | | |
| Time | Time | 0000 | 3 | L | \dashv | \dashv | \dashv | - | | + | - | - | | \dashv | | | | | | - | | |
| w | 1 | | | | | | | | | | | | Ending Depth | | | | | | 1 | | | |
| € | Rece | 1 | | | | ſ | | | 6/2 | 6/2 | 6/2 | 6/2 | | | | | | | | | | |
| W | Received by: | 1 | Donied by | | | | | | 6/27/2019 | 6/27/2019 | 6/27/2019 | 6/27/2019 | Date Sampled | | | | | | | | | |
| 1 3 | × | y_{i} | - | | | | Ì | |)19 |)19 |)19 | 119 | | | | | | | | | | |
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| A | · | \mathbb{N} | | | | | | | 7 | F ~ | 63 | 0 | Time Sampled | | | φ | Fa | | | | | |
| 1 | | $\mathbb{I}(\mathbb{V})$ | | | | | | | 7 | _ | 10 | 4 | | | | e-mail: | Fax No: | | | | | |
| | | M | | t | | | | | | | t | Ť | Field Filtered | | | | ĺ | | | | | Mic Per |
| | | The state of the s | | • [| | | | | | | | - | Total #. of Containers | _ | • | cds | | | | | | Permian Basin E 10014 S. Count Midland, Texas |
| | | | \l | - | | | | | _ <u> ×</u> | × | <u> ×</u> | × | Ice HNO ₃ | $ \mathbb{I}_{\mathbb{R}}$ | | | | | | | | Bas Co |
| | | | / | - | | \dashv | | | + | + | ╫ | - | HCi | Preservatio | | yar ex | | | | | | xas unty Xas |
| | | U | | ŀ | | | | | | | + - | + | H ₂ SO ₄ | ation & | | | | | | | | Road 79706 |
| | | 1 | | | | | | | | | | | NaOH | n & # of Containers | | sol | | | | | | Permian Basin Environmenta 10014 S. County Road 1213 Midland, Texas 79706 |
| | | | _ | | | | | | _ | + | ╀ | $oldsymbol{oldsymbol{\perp}}$ | Na ₂ S ₂ O ₃ | òontair ••• | | i iii | | | | | | 13 |
| 6 | _ | | _ | ŀ | + | | | | + | + | ╁ | ╀ | None Other (Specify) | ers | | cdstanley@trcsolutions.com cjbryant@paalp.com | | | | | | Permian Basin Environmental Lab, LP 10014 S. County Road 1213 Midland, Texas 79706 |
| Pate / 27 / 15 | Date | | | ŀ | | | | | 1. | ╈ | + | | DW=Drinking Water SL=Sludge | ╁ | 1 | Öm | ١, | 1 | ı | ı | l | 4 |
| 73 | | | _ | | | | | | Soil | Soil | Soil | Soil | GW = Groundwater S=Soil/Solid | Matrix | | ,_ | Repo | | | | 70 | |
| ≈ ∃ | = | | Time I | ŀ | \dashv | _ | | | + | × | × | × | NP=Non-Potable Specify Other TPH: 418.1 8015M 8 | 3015B | | | Ħ.F. | - | Proj | T | rojec | |
| ž, ii | Ime | L [†] | <u> </u> | _ | | | | | <u> </u> | <u> </u> | <u> </u> | Ť | TPH: TX 1005 TX 1006 | | | | Report Format: | P | Project Loc: | Project#: | Project Name: | |
| Age an | San | S C IS | δ | | | | | | | | | | Cations (Ca, Mg, Na, K) | |] | | | PO#. | .00 | # | _i me: | |
| Time Temperature Upon Receipt: % CF CF CF CF CF CF CF CF | PA CC PA SS = I | O O | S F | orat. | \blacksquare | | | | | - | _ | _ | Anions (Cl, SO4, Alkalinity) | | TCLP: TOTAL: | | × | | | | | |
| ڐٙڷ؉ | nple Hand I by Sampler/ by Courier? | seal | e 0 | ž | \dashv | _ | | - | | +- | - | +- | SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb H | lg Se | F. D | | Standard | | | | | 7 |
| ,V,V\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | , Cile | 9 9 | Hea Hea | 릙 | - | | | \vdash | + | \dagger | + | + | Volatiles | | | na) | ā | | | | ات | one: |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS | Custody seals on container(s) | Sample Containers Intact? VOCs Free of Headspace? | Laboratory Comments: | | | | | | | | | Semivolatiles | | | Analyze For: | | | ٦ | N N | Lea Station Landfarm | Phone: 432-661-4184 |
| ကိုလိုမ်္မ | Rep.? UPS DHL | ner(| œ? | [| \Box | | | | | | | | BTEX 8021B/5030 or BTEX 8 | 3260 | | S | | | Lea County, NM | 2004-00061 | tatio | 661 |
| S | Ĭ | S | | 1 | | | | - | _ | | - | - | RCI | | | | TRRP | | uniy | 000 | ור קטרי | 4 |
| - | | | | 1 | \dashv | | | \vdash | × | × | × | × | N.O.R.M. Chlorides E 300 | | | | u | | Z | <u> </u> 65 | 3pdf: | 4 |
| <u> </u> | ₿ <i>S</i> | | 2<8 | | \dashv | | | $\vdash \uparrow$ | 1 | + | Ť | | Paint Filter | | | | | | | | m E | |
| ecept °C °C Factor 1 L2_ | FedEx Lone Star | |); 2 | | | | | | | | T | | TCLP BTEX | | | Ц | NPDES | | | | | |
| | N N Ne Star | ZZ | ZZZ | | _ | | | | | | _ | _ | RUSH TAT (Pre-Schedule) 2 | 24, 48 | 72 hrs | | ŒS | | | ┸ | | 44 - 5 - 3 |
| | .74 P | | | | | | | | × | $\mid \times \mid$ | \times | × | Standard TAT | | | | | | | l Pa | age | 14 of 1 |

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061
Location: Lea County, NM

Lab Order Number: 9F28014



NELAP/TCEQ # T104704516-18-9

Report Date: 07/08/19

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|------------------|
| TZ Cell D G1 | 9F28014-01 | Soil | 06/27/19 06:45 | 06-27-2019 16:05 |
| TZ Cell D G2 | 9F28014-02 | Soil | 06/27/19 06:50 | 06-27-2019 16:05 |
| TZ Cell D G3 | 9F28014-03 | Soil | 06/27/19 06:55 | 06-27-2019 16:05 |
| TZ Cell D G4 | 9F28014-04 | Soil | 06/27/19 07:00 | 06-27-2019 16:05 |
| TZ Cell D G5 | 9F28014-05 | Soil | 06/27/19 07:05 | 06-27-2019 16:05 |

10 Desta Dr STE 150E Midland TX, 79705 Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

Project Manager: Curt Stanley

TZ Cell D G1 9F28014-01 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------------|--------------------|-------------|-------------|---------|----------|----------|------------|-------|
| | Down | ian Basin E | 'nvinonmor | stal Lab | r D | | | | |
| | Perii | nan basın r | Anvironinei | itai Lab, l | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | S | | | | | | | |
| Chloride | 1.80 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 | by EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 94.9 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 101 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell D G2 9F28014-02 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|------------------|--------------------|------------|-----------|---------|----------|----------|------------|-------|
| | Perm | ian Basin F | Environmer | ntal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA / | Standard Method | ls | | | | | | | |
| Chloride | 6.20 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | oy EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 93.4 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 100 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

> TZ Cell D G3 9F28014-03 (Soil)

| | | Reporting | | | | | | | |
|---|----------------|-------------|-----------|-------------|---------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Perm | ian Basin E | nvironmer | ıtal Lab, l | L.P. | | | | |
| General Chemistry Parameters by EPA / S | tandard Method | s | | | | | | | |
| Chloride | 12.8 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 by | EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 97.4 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 101 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

> TZ Cell D G4 9F28014-04 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|-------------------|--------------------|------------|----------|---------|----------|----------|------------|-------|
| | Permi | an Basin I | Environmen | tal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Methods | | | | | | | | |
| Chloride | ND | 1.01 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 1.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | oy EPA Method 801 | 5M | | | | | | | |
| C6-C12 | ND | 25.3 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.3 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.3 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 106 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 113 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.3 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

> TZ Cell D G5 9F28014-05 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|------------|-----------|---------|----------|----------|------------|-------|
| | Perm | ian Basin F | Environmen | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | s | | | | | | | |
| Chloride | 1.17 | 1.01 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 1.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | y EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.3 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.3 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.3 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 96.6 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 102 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.3 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------------------|--------|--------------------|-----------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch P9G0101 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0101-BLK1) | | | | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P9G0101-DUP1) | Sou | rce: 9F28014- | 05 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 2.0 | 0.1 | % | | 1.0 | | | 66.7 | 20 | |
| Duplicate (P9G0101-DUP2) | Sou | rce: 9F28019- | 05 | Prepared & | . Analyzed: | 07/01/19 | | | | |
| % Moisture | 17.0 | 0.1 | % | | 18.0 | | | 5.71 | 20 | |
| Duplicate (P9G0101-DUP3) | Sou | rce: 9F28021- | 01 | Prepared & | . Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 3.0 | | | 0.00 | 20 | |
| Duplicate (P9G0101-DUP4) | Sou | rce: 9F28024- | 01 | Prepared & | . Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 2.0 | | | 40.0 | 20 | |
| Batch P9G0501 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0501-BLK1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| LCS (P9G0501-BS1) | | | | Prepared & | . Analyzed: | 07/05/19 | | | | |
| Chloride | 194 | 1.00 | mg/kg wet | 200 | | 97.1 | 80-120 | | | |
| LCS Dup (P9G0501-BSD1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 196 | 1.00 | mg/kg wet | 200 | | 97.8 | 80-120 | 0.754 | 20 | |
| Calibration Blank (P9G0501-CCB1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Fax: (432) 520-7701

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--------------------------------------|--------|--------------|-----------|------------|-----------|------------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9G0501 - *** DEFAULT PREP *** | | | | | | | | | | |
| Calibration Blank (P9G0501-CCB2) | | | | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |
| Calibration Check (P9G0501-CCV1) | | | | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 9.76 | | mg/kg | 10.0 | | 97.6 | 0-200 | | | |
| Calibration Check (P9G0501-CCV2) | | | | Prepared & | Analyzed | : 07/05/19 | | | | |
| Chloride | 9.99 | | mg/kg | 10.0 | | 99.9 | 0-200 | | | |
| Calibration Check (P9G0501-CCV3) | | | | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 9.54 | | mg/kg | 10.0 | | 95.4 | 0-200 | | | |
| Matrix Spike (P9G0501-MS1) | Sou | rce: 9F28012 | 2-05 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 468 | 1.02 | mg/kg dry | 510 | 1.26 | 91.4 | 80-120 | | | |
| Matrix Spike (P9G0501-MS2) | Sou | rce: 9F28015 | 5-01 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 476 | 1.03 | mg/kg dry | 515 | 2.57 | 91.8 | 80-120 | | | |
| Matrix Spike Dup (P9G0501-MSD1) | Sou | rce: 9F28012 | 2-05 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 480 | 1.02 | mg/kg dry | 510 | 1.26 | 93.8 | 80-120 | 2.56 | 20 | |
| Matrix Spike Dup (P9G0501-MSD2) | Sou | rce: 9F28015 | 5-01 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 494 | 1.03 | mg/kg dry | 515 | 2.57 | 95.3 | 80-120 | 3.73 | 20 | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|-----------|-----------|-------------|-------------|-------------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Blank (P9F2906-BLK1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 98.6 | | " | 100 | | 98.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.8 | | " | 50.0 | | 108 | 70-130 | | | |
| LCS (P9F2906-BS1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | 848 | 25.0 | mg/kg wet | 1000 | | 84.8 | 75-125 | | | |
| >C12-C28 | 933 | 25.0 | " | 1000 | | 93.3 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 115 | | " | 100 | | 115 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.3 | | " | 50.0 | | 107 | 70-130 | | | |
| LCS Dup (P9F2906-BSD1) | | | | Prepared: (|)6/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | 893 | 25.0 | mg/kg wet | 1000 | | 89.3 | 75-125 | 5.11 | 20 | |
| >C12-C28 | 968 | 25.0 | " | 1000 | | 96.8 | 75-125 | 3.69 | 20 | |
| Surrogate: 1-Chlorooctane | 118 | | " | 100 | | 118 | 70-130 | | | |
| Surrogate: o-Terphenyl | 48.8 | | " | 50.0 | | 97.7 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | 6.94 | | mg/kg wet | | | | | | | |
| >C12-C28 | 19.4 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 96.0 | | " | 100 | | 96.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 52.2 | | " | 50.0 | | 104 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB2) | | | | Prepared: (|)6/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | 8.19 | | mg/kg wet | | | | | | | |
| >C12-C28 | 23.9 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | | " | 100 | | 94.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 51.2 | | " | 50.0 | | 102 | 70-130 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|---------------|-------------|-------------|------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Calibration Check (P9F2906-CCV1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 434 | 25.0 | mg/kg wet | 500 | | 86.7 | 85-115 | | | |
| >C12-C28 | 444 | 25.0 | " | 500 | | 88.9 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 101 | | " | 100 | | 101 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47.5 | | " | 50.0 | | 95.0 | 70-130 | | | |
| Calibration Check (P9F2906-CCV2) | | | | Prepared: (|)6/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 441 | 25.0 | mg/kg wet | 500 | | 88.1 | 85-115 | | | |
| >C12-C28 | 484 | 25.0 | " | 500 | | 96.8 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 102 | | " | 100 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 49.2 | | " | 50.0 | | 98.3 | 70-130 | | | |
| Calibration Check (P9F2906-CCV3) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 505 | 25.0 | mg/kg wet | 500 | | 101 | 85-115 | | | |
| >C12-C28 | 515 | 25.0 | " | 500 | | 103 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 93.4 | | " | 100 | | 93.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 43.6 | | " | 50.0 | | 87.1 | 70-130 | | | |
| Duplicate (P9F2906-DUP1) | Sou | ırce: 9F28017 | '-05 | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | | 9.94 | | | | 20 | |
| >C12-C28 | 23.9 | 25.8 | " | | 12.5 | | | 62.6 | 20 | |
| Surrogate: 1-Chlorooctane | 86.2 | | " | 103 | | 83.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 46.5 | | " | 51.5 | | 90.1 | 70-130 | | | |

TRC Solutions- Midland, Texas 10 Desta Dr STE 150E

Midland TX, 79705

Project: Lea Station Landfarm Project Number: SRS# 2004-00061 Project Manager: Curt Stanley Fax: (432) 520-7701

Notes and Definitions

ROI Received on Ice

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

| | Drew | Darror | | | |
|---------------------|------|--------|-------|----------|--|
| Report Approved By: | | | Date: | 7/8/2019 | |

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.



| A CONTRACTOR OF THE SECOND STREET | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ٦ | _ |
|---|-------------------------------|-----------------|--------------|--|--------------|---|------------------------|-----------------|--------------------|------------|--------------------------------|-----------|---|-------|------------------------|------------------------|------------------------|------------------------|------------------|----------------|------------------------|--|-----------------|-----------------------|---|--|---|----------------------------|--|----------|-----------------|--------------|----------------|---------------------|--------------|--------------|
| 1216/6/6/8 | CHAIN OF C | USTO | אַמּ | CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST Permian Basi 10014 S. Cou | D ANAL YSIS | REQUEST Permian Basin Environm 10014 S. County Road | iQU mian 14 S | ES Ba | Sin | ₹ <u>₽</u> | | | nenta 1213 | Ē | rental Lab, LP 1213 | ם' | | • | : | | | | _ | ď | ne: | 43 | 2-6 | Phone: 432-661-4184 | 418 | 4 | _ | Page 1 of | 9 | <u>q</u> | 3 of 13 | |
| Project Manager: | Curt Stanley | | | | - | midiand, como | | | | | | l ' | | | | ' | | Project Name: | ect | Nan | . ≅ | | | | lE | ea (| | Station Landfarm | | Į₫ | la e | 3 | | | age 1 | - |
| Company Name | TRC Environmental Corporation | ğ | | | : | | | | • | | | | | | | • | | | Pro | Project #: | # | | | : | , | | <u> 2</u> | 2004-00061 | <u> </u> | <u> </u> | | | | | Pa | |
| Company Address: | 10 Desta Drive, Suite 150 E | | | | | | | | | | | | | | | ' | | _0 | Project Loc: | Ë | ់ប្ត | | | | 1 | _ | 8 | Lea County, NM | ₹ | ş | - | | | | | 1 |
| City/State/Zip: | Midland/TX/79705 | | | | | | | | | | | | | | İ | ' | | | | PO # | , # | | | | | | 1 | 1 | | 1 | 1 | | | | 1 | • |
| Telephone No: | (432)520-7720 | | | in in | Fax No: | ÷ | | l | 3 | | | | ļ | | | • | Rep | Report Format: | Fon | mat | | \times | Standard | da | ci. | | | _ | TRRP | • | _ | | NPDES | Ä | 0) | |
| Sampler Signature: | Devek Dov. | W | | | e-mail: | lO | ds | cdstanley@trcso | lе | <u>@</u> | Ŋ | <u> ő</u> | 돌 | | lutions.com | 음 | <u>ر</u> | | | | | | | | l | l | l | l | | l | l | l | ı | l | • | |
| (lab use only) | | | | | . : | | | C | Į. | | 3 | à | aip.com | [2 | IΞ | | | | | | | ᆲ | TCLP: | ∐≥ | | Analyze For | | \dashv | \dashv | \dashv | 4 | | | hre | | |
| ORDER#: 9F28014 | | | | | | | <u> </u> | Ψ | Preservation & # o | vatio | % | | Containers | ainei | ti i | | Matrix | Щ. | 5B | _ | | TOTAL: | <u> </u> | 3e | Ţ | \top | 0 | | — | | | | | 48, 72 | | |
| | | | | • | - | | | | | | | | | | | udge | /Solid | | | X 1006 |) | nity) | | Pb Hg S | | | TEX 826 | | | | | | | iule) 24, | | |
| AB#(lab use only | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Ice | HNO₃ | HCI | H ₂ SO ₄ | NaOH | Na ₂ S ₂ O ₃ | None | Other (Specify) | DW=Drinking Water SL=S | GW = Groundwater S≕Sol | NP=Non-Poteble Specify | TPH: 418.1 8015N | TPH: TX 1005 T | Cations (Ca, Mg, Na, K | Anions (CI, SO4, Alkali | SAR / ESP / CEC | Metals: As Ag Be Cd C | Volatiles | Semivolatiles | ВТЕХ 8021В/5030 ог В | RCI | N.O.R.M. | | Chlorides E 300 | Paint Filter | TCLP BTEX | RUSH TAT (Pre-Sched | Standard TAT | |
| | | | | 6/27/2019 | 0645 | | | × | | | | | | | | | Soil | | × | | | | | | LĪ | | | | \vdash | | \vdash | _ | | | × | 1 |
| 2 TZC | TZ Cell D G2 | <u> </u> | <u> </u> | 6/27/2019 | 2650 | | - | × | | ļ | | | | Γ | | | Soil | | × | | | | | | | | | Ι | | | × | | | | × | |
| ع Tzc | TZ Cell D G3 | _ | <u> </u> | 6/27/2019 | 0665 | | | × | _ | <u> </u> | <u> </u> | | | | | | So: | | × | <u> </u> | | | | | L - | | | 1 | | _ | × | | | | × | |
| 中 TZC | Cell D G4 | | | 6/27/2019 | 0700 | <u> </u> | | × | | _ | | | | | | | Soil | | × | | | | | | | | | | <u> </u> | U | × | _ | | L | × | |
| <i>5</i> 72 c | Cell D G5 | | | 6/27/2019 | 0705 | _ | | <u> </u> | | | | | | | | | Soil | | × | | | | | | | | | \neg | - | - | <u> ×</u> | | | | × | |
| | | | | | | | | | _ | | · | | | | | | | _ | | _ | _ | | | | [| П | 一 | \dashv | \dashv | | _ | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \dashv | _ | - | | | | | |
| Special Instructions: Bill to Plains | | - | <u> </u> | | | | • | - | | | ļ | 1 | | . [| Ī | ſ | | | | |) (1) (2) | S Bal | 888 | 울團요[| 8 8 3 | Laboratory Comments: Sample Containers Idias VOCs Free of Headspac | Laboratory Comments: Sample Containers Intager VOCs Free of Headspace? | | | | √ | 100% | | ZZ | | manet) |
| Relinquished by: | Dere to 6 /27/19 | Daco | į | Received by: | S AR | ν | .] | | | | | | | · | D | Date | | | Time | ~~= | SI SI | 8 8 8 | se s | ls o | | | abels optontainer(s). Custody seals on container(s) Cristody seals on cooler(s) | (S) | | | 20-3 | | | ZZZ | ZZZ | |
| Relinquished by: | Date 1 | Time | | Received by: | | 4 | | | | | | ė. | | | | Date | | | ime | 1 | i an | nple Hand I by Sampler by Courier? | enta enta | * S E C | e e | Sample Hand Delivered by Sampler/Client Rep by Courier? UPS | ple Hand Delivered by Sampler/Client Rep. ? by Courier? UPS | , DHL | 7.74 | ŢI | ₩ ₩ | | N N Star | စ္တေဒ | 2 | |
| Relinquished by: | , Daté | Time | چرا | Receiped by PBE | | | 1 | | | | | | | 6 | Pate 77 | 7 6 | 3 | |) Time | λ <u> </u> | fem dju | stec | | ڻ. ٽيٽ | Time Temperature Upon R Received: 3・イ / 63の Adjusted: 4・ら | / 'ॡ | Temperature Upon Receipt Received: | ecelpt: °C °C Factor | ₫ | • | 12 | N | 1 | | | |

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061
Location: Lea County, NM

Lab Order Number: 9F28015



NELAP/TCEQ # T104704516-18-9

Report Date: 07/08/19

TRC Solutions- Midland, Texas 10 Desta Dr STE 150E

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

Midland TX, 79705

Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|------------------|
| TZ Cell E G1 | 9F28015-01 | Soil | 06/27/19 07:10 | 06-27-2019 16:05 |
| TZ Cell E G2 | 9F28015-02 | Soil | 06/27/19 07:15 | 06-27-2019 16:05 |
| TZ Cell E G3 | 9F28015-03 | Soil | 06/27/19 07:20 | 06-27-2019 16:05 |
| TZ Cell E G4 | 9F28015-04 | Soil | 06/27/19 07:25 | 06-27-2019 16:05 |

10 Desta Dr STE 150E Midland TX, 79705 Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

Project Number: SRS# 2004-00
Project Manager: Curt Stanley

TZ Cell E G1 9F28015-01 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|-----------|-----------|---------|----------|----------|------------|-------|
| | Perm | ian Basin E | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 2.57 | 1.03 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | y EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 97.5 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 105 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.8 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

> TZ Cell E G2 9F28015-02 (Soil)

| | | Reporting | | | | | | | |
|---------------------------------------|------------------|--------------|-----------|-----------|---------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Pern | nian Basin F | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 2.57 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 h | oy EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 97.0 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 104 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell E G3 9F28015-03 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|-----------|-----------|---------|----------|----------|------------|-------|
| | Perm | ian Basin E | Environme | ntal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 2.54 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | y EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 88.0 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 97.4 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell E G4 9F28015-04 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|------------------|--------------------|-----------|-----------|---------|----------|----------|------------|-------|
| | Perm | ian Basin F | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA / | Standard Method | ls | | | | | | | |
| Chloride | ND | 1.04 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 4.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | oy EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 26.0 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 26.0 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 26.0 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 92.9 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 94.7 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 26.0 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------------------|--------|--------------------|-----------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch P9G0101 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0101-BLK1) | | | | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P9G0101-DUP1) | Sou | ce: 9F28014- | 05 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 2.0 | 0.1 | % | | 1.0 | | | 66.7 | 20 | |
| Duplicate (P9G0101-DUP2) | Sou | ce: 9F28019- | 05 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 17.0 | 0.1 | % | | 18.0 | | | 5.71 | 20 | |
| Duplicate (P9G0101-DUP3) | Sou | ce: 9F28021- | 01 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | • | 3.0 | | | 0.00 | 20 | |
| Duplicate (P9G0101-DUP4) | Sou | rce: 9F28024- | 01 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 2.0 | | | 40.0 | 20 | |
| Batch P9G0501 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0501-BLK1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | - | | | | | |
| LCS (P9G0501-BS1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 194 | 1.00 | mg/kg wet | 200 | <u> </u> | 97.1 | 80-120 | | | |
| LCS Dup (P9G0501-BSD1) | | | | Prepared & | : Analyzed: | 07/05/19 | | | | |
| Chloride | 196 | 1.00 | mg/kg wet | 200 | | 97.8 | 80-120 | 0.754 | 20 | |
| Calibration Blank (P9G0501-CCB1) | | | | Prepared & | : Analyzed: | 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--------------------------------------|--------|------------|-----------|------------|-------------|----------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9G0501 - *** DEFAULT PREP *** | | | | | | | | | | |
| Calibration Blank (P9G0501-CCB2) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |
| Calibration Check (P9G0501-CCV1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 9.76 | | mg/kg | 10.0 | | 97.6 | 0-200 | | | |
| Calibration Check (P9G0501-CCV2) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 9.99 | | mg/kg | 10.0 | | 99.9 | 0-200 | | | |
| Calibration Check (P9G0501-CCV3) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 9.54 | | mg/kg | 10.0 | | 95.4 | 0-200 | | | |
| Matrix Spike (P9G0501-MS1) | Sourc | e: 9F28012 | -05 | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 468 | 1.02 | mg/kg dry | 510 | 1.26 | 91.4 | 80-120 | | | |
| Matrix Spike (P9G0501-MS2) | Sourc | e: 9F28015 | -01 | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 476 | 1.03 | mg/kg dry | 515 | 2.57 | 91.8 | 80-120 | | | |
| Matrix Spike Dup (P9G0501-MSD1) | Sourc | e: 9F28012 | -05 | Prepared & | : Analyzed: | 07/05/19 | | | | |
| Chloride | 480 | 1.02 | mg/kg dry | 510 | 1.26 | 93.8 | 80-120 | 2.56 | 20 | |
| Matrix Spike Dup (P9G0501-MSD2) | Sourc | e: 9F28015 | -01 | Prepared & | : Analyzed: | 07/05/19 | | | | |
| Chloride | 494 | 1.03 | mg/kg dry | 515 | 2.57 | 95.3 | 80-120 | 3.73 | 20 | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|-----------|-----------|-------------|------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Blank (P9F2906-BLK1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 98.6 | | " | 100 | | 98.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.8 | | " | 50.0 | | 108 | 70-130 | | | |
| LCS (P9F2906-BS1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 848 | 25.0 | mg/kg wet | 1000 | | 84.8 | 75-125 | | | |
| >C12-C28 | 933 | 25.0 | " | 1000 | | 93.3 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 115 | | " | 100 | | 115 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.3 | | " | 50.0 | | 107 | 70-130 | | | |
| LCS Dup (P9F2906-BSD1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 893 | 25.0 | mg/kg wet | 1000 | | 89.3 | 75-125 | 5.11 | 20 | |
| >C12-C28 | 968 | 25.0 | " | 1000 | | 96.8 | 75-125 | 3.69 | 20 | |
| Surrogate: 1-Chlorooctane | 118 | | " | 100 | | 118 | 70-130 | | | |
| Surrogate: o-Terphenyl | 48.8 | | " | 50.0 | | 97.7 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 6.94 | | mg/kg wet | | | | | | | |
| >C12-C28 | 19.4 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 96.0 | | " | 100 | | 96.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 52.2 | | " | 50.0 | | 104 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB2) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 8.19 | | mg/kg wet | - | | - | | | | |
| >C12-C28 | 23.9 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | | " | 100 | | 94.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 51.2 | | " | 50.0 | | 102 | 70-130 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|--------------|-------------|-------------|------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Calibration Check (P9F2906-CCV1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 434 | 25.0 | mg/kg wet | 500 | | 86.7 | 85-115 | | | |
| >C12-C28 | 444 | 25.0 | " | 500 | | 88.9 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 101 | | " | 100 | | 101 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47.5 | | " | 50.0 | | 95.0 | 70-130 | | | |
| Calibration Check (P9F2906-CCV2) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 441 | 25.0 | mg/kg wet | 500 | | 88.1 | 85-115 | | | |
| >C12-C28 | 484 | 25.0 | " | 500 | | 96.8 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 102 | | " | 100 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 49.2 | | " | 50.0 | | 98.3 | 70-130 | | | |
| Calibration Check (P9F2906-CCV3) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 505 | 25.0 | mg/kg wet | 500 | | 101 | 85-115 | | | |
| >C12-C28 | 515 | 25.0 | " | 500 | | 103 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 93.4 | | " | 100 | | 93.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 43.6 | | " | 50.0 | | 87.1 | 70-130 | | | |
| Duplicate (P9F2906-DUP1) | Sou | rce: 9F28017 | '-05 | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | | 9.94 | · | · | · | 20 | |
| >C12-C28 | 23.9 | 25.8 | " | | 12.5 | | | 62.6 | 20 | |
| Surrogate: 1-Chlorooctane | 86.2 | | " | 103 | | 83.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 46.5 | | " | 51.5 | | 90.1 | 70-130 | | | |

Matrix Spike

Duplicate

Project: Lea Station Landfarm Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

10 Desta Dr STE 150E Midland TX, 79705

MS

Dup

Notes and Definitions

| ROI | Received on Ice |
|------|--|
| BULK | Samples received in Bulk soil containers |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| lry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| LCS | Laboratory Control Spike |

| | Drew | Darron | | |
|---------------------|------|--------|-------|----------|
| Report Approved By: | | | Date: | 7/8/2019 |

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

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| | | 7 2 | 0, | v | | | | | | | Cell E G4 | Cell E G3 | TZ Cell E G2 | TZ Cell E G1 | FIELD CODE | • | | | Dere | (432)520-7720 | Midland/TX/79705 | 10 Desta Drive, Suite 150 E | TRC Environmental Corporation | Curt Stanley | |
| Date | 6/27/19 | 1/4/19 | Date | | | | | | | | | | | | | | | | 1 | | 705 | , Suite 150 E | ental Corpora | | CHAIN OF |
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| 10 | G | | æ | | | | | | | | Soil | Soil | Soil | Soil | DW≃Drinking Water SL≃Sludge GW = Groundwater S=Soit/Solid | Matrix | | | ΙΞ | Repo | | | | 70 | · |
| > = | = | 4 | # | | - | | | — | - | | × | × | × | × | NP=Non-Potable Specify Other TPH: 418.1 8015M 8 | 015B | | \top | 1 | Report Format: | | Pro | 777 | Project Name: | |
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| i emperature upon kecelor. Received: 多らう。C Adjusted: インシーのFi | by Sampler/Client Rep. ? by Couner? UPS | 9 | | Sample Containers inter: VOCs Free of Headspace? | Laboratory Comments: | | | | 1- | | | | | T | Anions (CI, SO4, Alkalinity) | | 7 | _ | | × | 1 | Ι | 1 | 1 | |
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| , WC | | | | 우 | ္ပြ | | | | | | | | | | Metals: As Ag Ba Cd Cr Pb H | g Se | | Ι. | } | Standard | | | | | ho |
| \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | | | lead | | | | | | _ | | <u> </u> | | | Volatilas | | Ц | | 2 | <u>a</u> . | | | | <u> </u> | ne: |
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| C Factor | 몯 | ousind vseals on coolers) | | | - | | | | + | \vdash | \vdash | | ╀ | - | RCI N.O.R.M. | | | - | | TRRP | | Lea County, NM | 2004-00061 | Lea Station Landfarm | Phone: 432-661-4184 |
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| \ | FedEx Lone Star | N | N Y | Sample Containers Intact? VOCs Free of Headspace? Y N | 1 | | | | | | | | | | RUSH TAT (Pre-Schedule) 24 | 4, 48, | 72 h | rs | | NPDES | | | | | - 9. 1 |
| | * | | | | | | | | | | × | × | × | × | Standard TAT | | | | _ | ٠, | | | P | age | 12 of 12 |

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061
Location: Lea County, NM

Lab Order Number: 9F28016



NELAP/TCEQ # T104704516-18-9

Report Date: 07/08/19

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|------------------|
| TZ Cell F G1 | 9F28016-01 | Soil | 06/27/19 07:35 | 06-27-2019 16:05 |
| TZ Cell F G2 | 9F28016-02 | Soil | 06/27/19 07:40 | 06-27-2019 16:05 |
| TZ Cell F G3 | 9F28016-03 | Soil | 06/27/19 07:45 | 06-27-2019 16:05 |
| TZ Cell F G4 | 9F28016-04 | Soil | 06/27/19 07:50 | 06-27-2019 16:05 |
| TZ Cell F G5 | 9F28016-05 | Soil | 06/27/19 07:55 | 06-27-2019 16:05 |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell F G1 9F28016-01 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|------------------|--------------------|-----------|-----------|---------|----------|----------|------------|-------|
| | Perm | nian Basin E | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA / | Standard Method | ls | | | | | | | |
| Chloride | 3.87 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | oy EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 91.9 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 100 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell F G2 9F28016-02 (Soil)

| Analysis | Result | Reporting Limit | Units | Dilution | Batch | Dronorad | Amalyzad | Method | Mata |
|---------------------------------------|------------------|--------------------|-----------|-------------|---------|----------|----------|------------|------|
| Analyte | Resuit | Lillit | Units | Dilution | Datcii | Prepared | Analyzed | Method | Note |
| | Pern | nian Basin F | Environme | ntal Lab, l | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 3.34 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 l | by EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 93.5 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 99.6 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell F G3 9F28016-03 (Soil)

| | | | | | | | | | 1 |
|---|---------------|--------------|------------|-----------|---------|----------|----------|------------|-------|
| | D. I | Reporting | TT : | D.1. (; | D (1 | D 1 | | M.d. I | NI. |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Pern | nian Basin E | invironmen | ntal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA / St | andard Method | ls | | | | | | | |
| Chloride | 1.78 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 by | EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 96.1 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 104 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell F G4 9F28016-04 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|------------------|--------------------|------------|-----------|---------|----------|----------|------------|-------|
| | Perm | ian Basin I | Environmer | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 1.61 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 l | oy EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 88.7 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 95.8 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell F G5 9F28016-05 (Soil)

| | | D | | | | | | | |
|---|---------------|--------------------|-----------|-----------|---------|----------|----------|------------|-------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Perm | nian Basin E | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA / St | andard Method | ls | | | | | | | |
| Chloride | 2.36 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 by | EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 91.9 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 101 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------------------|--------|--------------------|-----------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch P9G0101 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0101-BLK1) | | | | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P9G0101-DUP1) | Sou | rce: 9F28014- | 05 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 2.0 | 0.1 | % | | 1.0 | | | 66.7 | 20 | |
| Duplicate (P9G0101-DUP2) | Sou | rce: 9F28019- | 05 | Prepared & | . Analyzed: | 07/01/19 | | | | |
| % Moisture | 17.0 | 0.1 | % | | 18.0 | | | 5.71 | 20 | |
| Duplicate (P9G0101-DUP3) | Sou | rce: 9F28021- | 01 | Prepared & | . Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 3.0 | | | 0.00 | 20 | |
| Duplicate (P9G0101-DUP4) | Sou | rce: 9F28024- | 01 | Prepared & | . Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 2.0 | | | 40.0 | 20 | |
| Batch P9G0501 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0501-BLK1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| LCS (P9G0501-BS1) | | | | Prepared & | . Analyzed: | 07/05/19 | | | | |
| Chloride | 194 | 1.00 | mg/kg wet | 200 | | 97.1 | 80-120 | | | |
| LCS Dup (P9G0501-BSD1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 196 | 1.00 | mg/kg wet | 200 | | 97.8 | 80-120 | 0.754 | 20 | |
| Calibration Blank (P9G0501-CCB1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Fax: (432) 520-7701

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--------------------------------------|--------|--------------|-----------|------------|-----------|------------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9G0501 - *** DEFAULT PREP *** | | | | | | | | | | |
| Calibration Blank (P9G0501-CCB2) | | | | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |
| Calibration Check (P9G0501-CCV1) | | | | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 9.76 | | mg/kg | 10.0 | | 97.6 | 0-200 | | | |
| Calibration Check (P9G0501-CCV2) | | | | Prepared & | Analyzed | : 07/05/19 | | | | |
| Chloride | 9.99 | | mg/kg | 10.0 | | 99.9 | 0-200 | | | |
| Calibration Check (P9G0501-CCV3) | | | | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 9.54 | | mg/kg | 10.0 | | 95.4 | 0-200 | | | |
| Matrix Spike (P9G0501-MS1) | Sou | rce: 9F28012 | 2-05 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 468 | 1.02 | mg/kg dry | 510 | 1.26 | 91.4 | 80-120 | | | |
| Matrix Spike (P9G0501-MS2) | Sou | rce: 9F28015 | 5-01 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 476 | 1.03 | mg/kg dry | 515 | 2.57 | 91.8 | 80-120 | | | |
| Matrix Spike Dup (P9G0501-MSD1) | Sou | rce: 9F28012 | 2-05 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 480 | 1.02 | mg/kg dry | 510 | 1.26 | 93.8 | 80-120 | 2.56 | 20 | |
| Matrix Spike Dup (P9G0501-MSD2) | Sou | rce: 9F28015 | 5-01 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 494 | 1.03 | mg/kg dry | 515 | 2.57 | 95.3 | 80-120 | 3.73 | 20 | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|-----------|-----------|-------------|-------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Blank (P9F2906-BLK1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 98.6 | | " | 100 | | 98.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.8 | | " | 50.0 | | 108 | 70-130 | | | |
| LCS (P9F2906-BS1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 848 | 25.0 | mg/kg wet | 1000 | | 84.8 | 75-125 | | | |
| >C12-C28 | 933 | 25.0 | " | 1000 | | 93.3 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 115 | | " | 100 | | 115 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.3 | | " | 50.0 | | 107 | 70-130 | | | |
| LCS Dup (P9F2906-BSD1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 893 | 25.0 | mg/kg wet | 1000 | | 89.3 | 75-125 | 5.11 | 20 | |
| >C12-C28 | 968 | 25.0 | " | 1000 | | 96.8 | 75-125 | 3.69 | 20 | |
| Surrogate: 1-Chlorooctane | 118 | | " | 100 | | 118 | 70-130 | | | |
| Surrogate: o-Terphenyl | 48.8 | | " | 50.0 | | 97.7 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 6.94 | | mg/kg wet | | | | | | | |
| >C12-C28 | 19.4 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 96.0 | | " | 100 | | 96.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 52.2 | | " | 50.0 | | 104 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB2) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 8.19 | | mg/kg wet | - | | - | | | | |
| >C12-C28 | 23.9 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | | " | 100 | | 94.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 51.2 | | " | 50.0 | | 102 | 70-130 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|--------------|-----------|-------------|------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Calibration Check (P9F2906-CCV1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | //02/19 | | | |
| C6-C12 | 434 | 25.0 | mg/kg wet | 500 | | 86.7 | 85-115 | | | |
| >C12-C28 | 444 | 25.0 | " | 500 | | 88.9 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 101 | | " | 100 | | 101 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47.5 | | " | 50.0 | | 95.0 | 70-130 | | | |
| Calibration Check (P9F2906-CCV2) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | //02/19 | | | |
| C6-C12 | 441 | 25.0 | mg/kg wet | 500 | | 88.1 | 85-115 | | | |
| >C12-C28 | 484 | 25.0 | " | 500 | | 96.8 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 102 | | " | 100 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 49.2 | | " | 50.0 | | 98.3 | 70-130 | | | |
| Calibration Check (P9F2906-CCV3) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | //02/19 | | | |
| C6-C12 | 505 | 25.0 | mg/kg wet | 500 | | 101 | 85-115 | | | |
| >C12-C28 | 515 | 25.0 | " | 500 | | 103 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 93.4 | | " | 100 | | 93.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 43.6 | | " | 50.0 | | 87.1 | 70-130 | | | |
| Duplicate (P9F2906-DUP1) | Sour | rce: 9F28017 | -05 | Prepared: (| 06/29/19 A | nalyzed: 07 | //02/19 | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | | 9.94 | | | · | 20 | · |
| >C12-C28 | 23.9 | 25.8 | " | | 12.5 | | | 62.6 | 20 | |
| Surrogate: 1-Chlorooctane | 86.2 | | " | 103 | | 83.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 46.5 | | " | 51.5 | | 90.1 | 70-130 | | | |

TRC Solutions- Midland, Texas 10 Desta Dr STE 150E

Midland TX, 79705

Project: Lea Station Landfarm Project Number: SRS# 2004-00061 Project Manager: Curt Stanley Fax: (432) 520-7701

Notes and Definitions

ROI Received on Ice

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

| | Drew | Darror | | | |
|---------------------|------|--------|-------|----------|--|
| Report Approved By: | | | Date: | 7/8/2019 | |

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



| delinquished by | Relinquished | Relinquished by | Special Instructions: Bill | | | | | S | 4 | W | 2 | | LAB # (lab use only) | ORDER #: | Se Sala | Te | Ω | ဂ္ဂ | င္ပ | Pr |
|--|--|---|--|--------------|----------|----------|----------|--------------|--------------|--------------|--------------|--|---|---------------------|---|----------------|-------------------|-----------------------------|-------------------------------|--|
| by: | | | ructions: Bill to Plains | | | | | TZ C | TZC | TZC | TZC | TZ C | | 9578016 | Sampler Signature: | Telephone No: | City/State/Zip: | Company Address: | | Project Manager: |
| Date | c/a | Porck 6/27 | | | | | | TZ Cell F G5 | TZ Cell F G4 | TZ Cell F G3 | TZ Cell F G2 | TZ Cell F G1 | FIELD CODE | | Devek | (432)520-7720 | Midland/TX/79705 | 10 Desta Drive, Suite 150 E | TRC Environmental Corporation | Curt Stanley |
| | Time | . O m | | | | | | | | | | | Beginning Depth | | Der | | |) 150 E | Corporation | |
| Time | OS Time | Time 100 | | | | | | | | | | | Ending Depth | 1 | ξ. | | | | | |
| Received by PB | Received by: | Received by: | | | | | | 6/27/2019 | 6/27/2019 | 6/27/2019 | 6/27/2019 | 6/27/2019 | Date Sampled | | | | | | | |
| | , | | | | | | | 255 | 0750 | 0745 | 0740 | 0735 | Time Sampled | | e-mail: | Fax No: | | | | |
| $ \ \lor$ | | 24 | | | - | | | _ | _ | | _ | _ | Field Filtered Total #. of Containers | - | 18 | | | | | 10014 S. County Road 1213 Midland, Texas 79706 |
| | | \ <i>X</i> | | | ╁ | - | | × | × | × | × | × | ice | \Box | cdstanley@trcsolutions.com | | | | | a s |
| | | Y | | | | | | | | | | | HNO ₃ | Preservation & # of | nle) | | | ŀ | | Texa |
| | | | | | | | | | | | | | на | rvatic | ant(@) | | | | | I STATE |
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| | | | | <u> </u> | | | | _ | | | | | NaOH | | aal | | | | | 112 |
| | | | - | - | ╂ | ╁ | ├ | ╀ | ├ | - | ├ | ├ | Na ₂ S ₂ O ₃ | Containers | p.c | | | | | 213 |
| 10 L | | | | \vdash | | | | \vdash | | | | | None Other (Specify) | eg. | ÖM. | | | | | a s |
| Date 7 | Date | Date | 1 | - | + | ╁ | | + | ╁ | | ┢ | | DW=Drinking Water SL=Sludge | Н | n OO | ŧ | ı | ı | 1 | 1 5 |
| 2 | | <u>.</u> | | | | | | Soil | Soil | Soil | Soil | Soil | GW = Groundwater S=Scil/Scild NP=Non-Poteble Specify Other | Matrix | | Report Format: | | . | | P co |
| 6; | ime | ime | | L | <u> </u> | ļ | | × | × | × | × | × | ! | 15B | | Form | | Project Loc: | Pro | Project Name: |
| 18 | | | < 1001 F | - | + | - | _ | - | - | _ | \vdash | | TPH: TX 1005 TX 1006 | | | nat: | PO # | Ę | Project #: | Vam |
| Received: 3 c 5 °C Adjusted: 4 c 5 °C | Sample Hand Delivered by Sampler/Client Rep by Courier? UPS | liabels on container(s); Custody seals on container(s) GBS[GTWSEALS on COORERS] | Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace? | - | - | + | 1 | - | | \vdash | ┢ | - | Cations (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity) | _ | | (ट्रा | . ?! ? | l B | # | .g. |
| red Vera | nple Hand Delivered by Sampler/Client Rep. ? by Courier? UPS | Q Q | 7 8 8 | - | + | + | \vdash | + | \vdash | \vdash | \vdash | \vdash | SAR / ESP / CEC | TOTAL: | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | <u>∝</u> | | | | |
| | mple mple | eas | e ello | | + | + | + | \vdash | ┼ | | \vdash | | Metals: As Ag Ba Cd Cr Pb Hg | | 7. I | Standard | | | | |
| 2, 2, 2, 3 | ,~`Q Qie | | 田園町 | | + | + | + | T | 1 | T | H | \vdash | Volatiles | + | | ard | | | | <u>-</u> 8 |
| \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | in ter | | dsp. | 1 | T | | | | | | | t | Semivolatiles | | Analyze For: | | | - | . | leg f |
| ဂိဂိ | ்ல பி. ச | aine aine | in all is | | \top | 1 | T | | | T | T | | BTEX 8021B/5030 or BTEX 82 | 60 | 흑 | | | ea C | 200 | Lea Station Lan |
| elpt: °C <u>Factor</u> | ¥" | | | | \top | | 1 | | T | T | \vdash | T | RCI | | 1 | | | our | 40 | |
| Ō | | | | | † | 1 | | | T | T | | | N.O.R.M. | | 1 | TRRP | | Lea County, NM | 2004-00061 | Lea Station Landfarm |
| | ₽~ <i>Q</i> | | | | | Ì | 1 | × | × | × | × | × | Chlorides E 300 | | 11 | | | ₹ | = | dfa |
| 1 | Ÿ≪? | X | 2/1 | | | | | | | | | | Paint Filter | | | | | | | 3 |
| N | | | | | | | | | | | | | TCLP BTEX | | | NPDES | | | | |
| | ne z z Star | ZZ | ZZZ | | | | | | | | | | RUSH TAT (Pre-Schedule) 24, | 48, 72 h | rs | DES | | | | |
| 10.00 | | | | | | | | 1 | × | × | × | × | Standard TAT | | | | 1 | | | ge 13 of 1 |

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061
Location: Lea County, NM

Lab Order Number: 9F28017



NELAP/TCEQ # T104704516-18-9

Report Date: 07/08/19

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|------------------|
| TZ Cell G G1 | 9F28017-01 | Soil | 06/27/19 08:00 | 06-27-2019 16:05 |
| TZ Cell G G2 | 9F28017-02 | Soil | 06/27/19 08:05 | 06-27-2019 16:05 |
| TZ Cell G G3 | 9F28017-03 | Soil | 06/27/19 08:10 | 06-27-2019 16:05 |
| TZ Cell G G4 | 9F28017-04 | Soil | 06/27/19 08:20 | 06-27-2019 16:05 |
| TZ Cell G G5 | 9F28017-05 | Soil | 06/27/19 08:20 | 06-27-2019 16:05 |

10 Desta Dr STE 150E Midland TX, 79705 Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

Project Manager: Curt Stanley

TZ Cell G G1 9F28017-01 (Soil)

| | | Reporting | | | | | | | |
|--|-----------------|-------------|-----------|-------------|---------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Perm | ian Basin E | Environme | ıtal Lab, 1 | L.P. | | | | |
| General Chemistry Parameters by EPA / S | Standard Method | ls | | | | | | | |
| Chloride | 1.21 | 1.02 | mg/kg dry | 1 | P9G0504 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 by | EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 92.4 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 103 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell G G2 9F28017-02 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|------------------|--------------------|------------|-----------|---------|----------|-----------|------------|-------|
| Allaryte | Result | Liiiit | Omis | Dilution | Daten | Trepared | Allaryzeu | Wethod | Notes |
| | Perm | ian Basin E | Environmer | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | ND | 1.03 | mg/kg dry | 1 | P9G0504 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 l | oy EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 89.5 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 98.6 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.8 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

> TZ Cell G G3 9F28017-03 (Soil)

| | D. I | Reporting | TT 1 | D.1 .: | D + 1 | ъ . | | N. d. d. | 3 7. <i>i</i> |
|---------------------------------------|-----------------|--------------|-----------|-----------|---------|----------|----------|------------|----------------------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Pern | nian Basin E | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA / | Standard Method | ls | | | | | | | |
| Chloride | ND | 1.03 | mg/kg dry | 1 | P9G0504 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | y EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 88.6 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 97.4 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.8 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell G G4 9F28017-04 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|-----------------|--------------------|------------|-----------|---------|----------|----------|------------|-------|
| | Perm | ian Basin E | Environmer | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA / | Standard Method | s | | | | | | | |
| Chloride | 2.36 | 1.03 | mg/kg dry | 1 | P9G0504 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | y EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 73.1 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 77.9 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.8 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell G G5 9F28017-05 (Soil)

| | | Reporting | | | | | | | |
|---------------------------------------|------------------|--------------|------------|-----------|---------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Pern | nian Basin E | Environmei | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 2.04 | 1.03 | mg/kg dry | 1 | P9G0504 | 07/05/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 l | oy EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C12-C28 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| >C28-C35 | ND | 25.8 | mg/kg dry | 1 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 78.1 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 83.0 % | 70-1 | 30 | P9F2906 | 06/29/19 | 07/02/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.8 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/02/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Number: SRS# 2004-0006 Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------------------|--------|--------------------|-----------|----------------|------------------|----------|----------------|------|--------------|-------|
| Analyte | Resuit | Limit | Units | Levei | Resuit | %REC | Limits | RPD | Limit | Notes |
| Batch P9G0101 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0101-BLK1) | | | | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P9G0101-DUP1) | Sour | ce: 9F28014- | -05 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 2.0 | 0.1 | % | - | 1.0 | | | 66.7 | 20 | |
| Duplicate (P9G0101-DUP2) | Sour | ce: 9F28019- | -05 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 17.0 | 0.1 | % | • | 18.0 | | | 5.71 | 20 | |
| Duplicate (P9G0101-DUP3) | Sour | ce: 9F28021- | -01 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 3.0 | | | 0.00 | 20 | |
| Duplicate (P9G0101-DUP4) | Sour | ce: 9F28024- | -01 | Prepared & | : Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 2.0 | | | 40.0 | 20 | |
| Batch P9G0504 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0504-BLK1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | ND | 1.00 | mg/kg wet | • | | | | | | |
| LCS (P9G0504-BS1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 197 | 1.00 | mg/kg wet | 200 | | 98.4 | 80-120 | | | |
| LCS Dup (P9G0504-BSD1) | | | | Prepared & | : Analyzed: | 07/05/19 | | | | |
| Chloride | 190 | 1.00 | mg/kg wet | 200 | | 94.9 | 80-120 | 3.61 | 20 | |
| Calibration Blank (P9G0504-CCB1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |

Project: Lea Station Landfarm

Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

10 Desta Dr STE 150E Midland TX, 79705

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--------------------------------------|--------|--------------|--------------|-------------|------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9G0504 - *** DEFAULT PREP *** | | | | | | | | | | |
| Calibration Blank (P9G0504-CCB2) | | | | Prepared & | & Analyzed | : 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |
| Calibration Check (P9G0504-CCV1) | | | | Prepared & | & Analyzed | : 07/05/19 | | | | |
| Chloride | 9.42 | | mg/kg | 10.0 | | 94.2 | 0-200 | | | |
| Calibration Check (P9G0504-CCV2) | | | | Prepared & | & Analyzed | : 07/05/19 | | | | |
| Chloride | 10.0 | · | mg/kg | 10.0 | · | 100 | 0-200 | · | · | |
| Calibration Check (P9G0504-CCV3) | | | | Prepared: (| 07/05/19 A | nalyzed: 07 | 7/06/19 | | | |
| Chloride | 10.1 | | mg/kg | 10.0 | | 101 | 0-200 | | | |
| Matrix Spike (P9G0504-MS1) | Sou | rce: 9F28017 | '-02 | Prepared & | & Analyzed | : 07/05/19 | | | | |
| Chloride | 490 | 1.03 | mg/kg dry | 515 | 0.299 | 95.1 | 80-120 | | | |
| Matrix Spike (P9G0504-MS2) | Sou | rce: 9F28020 |)- 01 | Prepared: (| 07/05/19 A | nalyzed: 07 | 7/06/19 | | | |
| Chloride | 7610 | 27.2 | mg/kg dry | 2720 | 5190 | 88.8 | 80-120 | | | |
| Matrix Spike Dup (P9G0504-MSD1) | Sour | rce: 9F28017 | '-02 | Prepared & | & Analyzed | : 07/05/19 | | | | |
| Chloride | 480 | 1.03 | mg/kg dry | 515 | 0.299 | 93.0 | 80-120 | 2.23 | 20 | |
| Matrix Spike Dup (P9G0504-MSD2) | Sou | rce: 9F28020 |)-01 | Prepared: (| 07/05/19 A | nalyzed: 07 | 7/06/19 | | | |
| Chloride | 7860 | 27.2 | mg/kg dry | 2720 | 5190 | 98.2 | 80-120 | 3.30 | 20 | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|-----------|-----------|-------------|-------------|-------------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Blank (P9F2906-BLK1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 98.6 | | " | 100 | | 98.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.8 | | " | 50.0 | | 108 | 70-130 | | | |
| LCS (P9F2906-BS1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | 848 | 25.0 | mg/kg wet | 1000 | | 84.8 | 75-125 | | | |
| >C12-C28 | 933 | 25.0 | " | 1000 | | 93.3 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 115 | | " | 100 | | 115 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53.3 | | " | 50.0 | | 107 | 70-130 | | | |
| LCS Dup (P9F2906-BSD1) | | | | Prepared: (|)6/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | 893 | 25.0 | mg/kg wet | 1000 | | 89.3 | 75-125 | 5.11 | 20 | |
| >C12-C28 | 968 | 25.0 | " | 1000 | | 96.8 | 75-125 | 3.69 | 20 | |
| Surrogate: 1-Chlorooctane | 118 | | " | 100 | | 118 | 70-130 | | | |
| Surrogate: o-Terphenyl | 48.8 | | " | 50.0 | | 97.7 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB1) | | | | Prepared: (| 06/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | 6.94 | | mg/kg wet | | | | | | | |
| >C12-C28 | 19.4 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 96.0 | | " | 100 | | 96.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 52.2 | | " | 50.0 | | 104 | 70-130 | | | |
| Calibration Blank (P9F2906-CCB2) | | | | Prepared: (|)6/29/19 Aı | nalyzed: 07 | /02/19 | | | |
| C6-C12 | 8.19 | | mg/kg wet | | | | | | | |
| >C12-C28 | 23.9 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | | " | 100 | | 94.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 51.2 | | " | 50.0 | | 102 | 70-130 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|---------------|-------------|-------------|------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2906 - TX 1005 | | | | | | | | | | |
| Calibration Check (P9F2906-CCV1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 434 | 25.0 | mg/kg wet | 500 | | 86.7 | 85-115 | | | |
| >C12-C28 | 444 | 25.0 | " | 500 | | 88.9 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 101 | | " | 100 | | 101 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47.5 | | " | 50.0 | | 95.0 | 70-130 | | | |
| Calibration Check (P9F2906-CCV2) | | | | Prepared: (|)6/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 441 | 25.0 | mg/kg wet | 500 | | 88.1 | 85-115 | | | |
| >C12-C28 | 484 | 25.0 | " | 500 | | 96.8 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 102 | | " | 100 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 49.2 | | " | 50.0 | | 98.3 | 70-130 | | | |
| Calibration Check (P9F2906-CCV3) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | 505 | 25.0 | mg/kg wet | 500 | | 101 | 85-115 | | | |
| >C12-C28 | 515 | 25.0 | " | 500 | | 103 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 93.4 | | " | 100 | | 93.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 43.6 | | " | 50.0 | | 87.1 | 70-130 | | | |
| Duplicate (P9F2906-DUP1) | Sou | ırce: 9F28017 | '-05 | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | | 9.94 | | | | 20 | |
| >C12-C28 | 23.9 | 25.8 | " | | 12.5 | | | 62.6 | 20 | |
| Surrogate: 1-Chlorooctane | 86.2 | | " | 103 | | 83.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 46.5 | | " | 51.5 | | 90.1 | 70-130 | | | |

TRC Solutions- Midland, Texas 10 Desta Dr STE 150E

Midland TX, 79705

Project: Lea Station Landfarm Project Number: SRS# 2004-00061 Project Manager: Curt Stanley Fax: (432) 520-7701

Notes and Definitions

ROI Received on Ice

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

| | Drew | Darror | | | |
|---------------------|------|--------|-------|----------|--|
| Report Approved By: | | | Date: | 7/8/2019 | |

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

| Relinquished by | Relinquished by | Relipquished by | Special I | | | | | 2/ | h | Ø | 7 | ا ا نیان ا | LAB # (lab use only) | ORDER #: | (lab use only) | | | | | | | | 1 |
|---------------------------------------|---|---|--|--------------|--------------|----------|--------------|--------------|--------------|--------------|--|-----------------------------|--|----------------|-----------------|---------|----------------------------|----------------------|------------------------|-----------------------------|-------------------------------|-------------------------------|--|
| ned by: | ned by: | A Sper | Special Instructions: Bill to Plains | | | | | TZ Cell G G5 | TZ Cell G (| TZ Cell G G3 | TZ Cell G G2 | TZ Cell G G1 | FIELD CODE | 1 1007 14 #1 | | | Sampler Signature: 1) | Telephone No: (432)5 | City/State/Zip: Midlan | Company Address: 10 Des | Company Name TRC E | Project Manager: Curt Stanley | IBIDIDAVE |
| Jaie | 6 Pate (27)19 | Date | | | | | | 35 | G4 | 33 | 32 | 31 | m | | | | イヤ Day | (432)520-7720 | Midland/TX/79705 | 10 Desta Drive, Suite 150 E | TRC Environmental Corporation | tanley | CHAIN OF C |
| | 160° | Time | | | | | | | | | | _ | Beginning Depth | - | | | •• | | | | lion | | USTC |
| <u> </u> | 7 | | | | | | | | | | | | Ending Depth | | | | | | | | | | , אמנ |
| Receive your Person | æived | Received by: | | | | | | 6/27/2019 | 6/27/2019 | 6/27/2019 | 6/27/2019 | 6/27/2019 | Date Sampled | | | | | | | | : | | CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST Permian Basi 10014 S. Cou |
| | | J. K. | | | | | | 0820 | 0815 | 01/10 | 2080 | 0000 | Time Sampled | | | | e-mail: | Fax No: | | | | | D ANALYSI |
| | | $\mathbb{N}()$ | | | | | | | | | | | Field Filtered |] | | | IO | | | | | | S REQUEST Permian Basin Environmental Lab, LP 10014 S. County Road 1213 Midland, Texas 79706 |
| / | | $ \mathcal{Y} $ | | <u> </u> | | ┝ | | 1 | 1 | | 1 | | Total #. of Containers | + | 1 | | Öst | | | | | | nian 14 S |
| | | | | | | - | | × | × | × | × | × | łce HNO ₃ | - 2 | | | cdstanley@trcsolutions.com | | | | | ' | ES] Bas Co |
| | | ′ | | \vdash | | - | ├─ | <u> </u> | | H | | | HCI | Preservation & | | Ya | ey | | | | | | Sin E |
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| 22 Pale | Date | Date | | | | | | | | | | | Other (Specify) | ľ | | 13 | ις S | | | | | | , - |
| 1/6 | | | | | | | | Soil | Soil | Soil | Soil | Soil | DW=Drinking Water SL=Sludge GW = Groundweter S=Soit/Solid NP=Non-Poteble Specify Other | Matrix | | | ΙΞ | Report Format: | | 70 | | Pro | U |
| (6/62) | lime | Time | | | | | | × | × | × | × | × | | 015B | | | | Form | | Project Loc: | Pro | Project Name: | |
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| Received: 4.5 °C Fa | Sample Hand Delivered by Sampler/Client Rep by Courier? UPS | _abels on container(s) Custody seals on container(s) Custody seals on cooler(s) | Laboratory Comments: Sample Containers Infact? VOCs Free of Headspace? | \vdash | | | | | | \vdash | | \vdash | Cations (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity) | | | | | | # | Ι | .# | ξ. Į | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | nple Hand Delivered by Sampler/Client Rep. ? by Couner? UPS | ibels on ustody s ustody s | Fig. | | | \vdash | | | | \vdash | _ | | SAR / ESP / CEC | | TOTAL: | H | | S X | | | | | |
| -Z.W. | inple and | eals | e e v | \vdash | - | H | | | | \vdash | \vdash | \vdash | Metals: As Ag Ba Cd Cr Pb Hg | Se | Ţ. J.Ÿ | 1. I | | Standard | | | | | 말 |
| 12,45 | | containeds) eals on container(s) eals on cooler(s) | omr Hea | \vdash | | | | - | | \vdash | \vdash | \vdash | Volatiles | , | $\vdash \vdash$ | Analyze | | ard | | | | _ | Phone: 432-661-4184 |
| 'ā | wered ant Rep | SON CONTRACT | men Sin | \vdash | | | - | | | | \vdash | | Semivolatiles | | \vdash | yze . | | | | _ | | ea | ** ** |
| ဂ်ဂိ | လစ္ပည | aine | ace? | | | | | | | | | | BTEX 8021B/5030 or BTEX 82 | 280 | $\vdash \vdash$ | For | | | | ea (| 200 | Stat | χ. 6 |
| °C Factor | F | <u>(</u> | | _ | | | | | | | <u> </u> | | RCI | | <u> </u> | 1 I | | | | in Oct | 4 | ion | ۲ و |
| Įģ. | | | | | | | | | <u> </u> | | | | N.O.R.M. | | | 1 | | TRRP | | Lea County, NM | 2004-00061 | ea Station Landfarm | 2 14 |
| K | F 8 | | | | | | | × | × | × | × | × | Chlorides E 300 | | + | 1 I | | | | ₹ | 23 | 랋 | 4 |
| 7 | Fed ₹ | | 3 | | | | | | - | | | | Paint Filter | | | | | | | | | Ē | Pa |
| 12 | 5 | | Z | Г | | | | | | | | | TCLP BTEX | | | 1 I | | NPDES | | | | | Page 1 of |
| | Lone Star | 2 2 2 | ZZ | | L | | | | | | | | RUSH TAT (Pre-Schedule) 24 | 1, 48, | 72 hrs | | | ĎEĆ | | | | | <u>a</u> |
| | " | | | | | | | × | × | × | × | × | Standard TAT | | | | • | J , | | | Pa | age | 13 of 13 |

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061
Location: Lea County, NM

Lab Order Number: 9F28012



NELAP/TCEQ # T104704516-18-9

Report Date: 07/08/19

TRC Solutions- Midland, Texas 10 Desta Dr STE 150E

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

Midland TX, 79705

Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|------------------|
| TZ Cell H G1 | 9F28012-01 | Soil | 06/27/19 08:25 | 06-27-2019 16:05 |
| TZ Cell H G2 | 9F28012-02 | Soil | 06/27/19 08:30 | 06-27-2019 16:05 |
| TZ Cell H G3 | 9F28012-03 | Soil | 06/27/19 08:35 | 06-27-2019 16:05 |
| TZ Cell H G4 | 9F28012-04 | Soil | 06/27/19 08:40 | 06-27-2019 16:05 |
| TZ Cell H G5 | 9F28012-05 | Soil | 06/27/19 08:45 | 06-27-2019 16:05 |

10 Desta Dr STE 150E Midland TX, 79705 Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

Project Number: SKS# 2004-00
Project Manager: Curt Stanley

TZ Cell H G1 9F28012-01 (Soil)

| | | Reporting | | | | | | | |
|--|-----------------|-------------|------------|-------------|---------|----------|----------|------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Perm | ian Basin F | Environmei | ıtal Lab, 1 | L.P. | | | | |
| General Chemistry Parameters by EPA / S | Standard Method | ls | | | | | | | |
| Chloride | 8.90 | 1.02 | mg/kg dry | 1 | P9G0404 | 07/04/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 by | EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 77.6 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 88.1 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell H G2 9F28012-02 (Soil)

| | | | | | | | | | 1 |
|--|---------------|--------------|-----------|-----------|---------|----------|----------|------------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| | Pern | nian Basin E | Environme | ıtal Lab, | L.P. | | | | |
| General Chemistry Parameters by EPA / St | andard Method | ls | | | | | | | |
| Chloride | 7.95 | 1.03 | mg/kg dry | 1 | P9G0404 | 07/04/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 by | EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.8 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.8 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 83.5 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 93.0 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.8 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

TZ Cell H G3 9F28012-03 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|-----------------|--------------------|-----------|-------------|---------|----------|----------|------------|-------|
| | Perm | ian Basin E | nvironmer | ıtal Lab, l | L.P. | | | | |
| General Chemistry Parameters by EPA / | Standard Method | s | | | | | | | |
| Chloride | 2.14 | 1.03 | mg/kg dry | 1 | P9G0404 | 07/04/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 b | y EPA Method 80 | 15M | | | | | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.8 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.8 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 76.3 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 83.0 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.8 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm

10 Desta Dr STE 150E Midland TX, 79705 Project Number: SRS# 2004-00061 Project Manager: Curt Stanley

> TZ Cell H G4 9F28012-04 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|------------------|--------------------|-----------|-------------|---------|----------|----------|------------|-------|
| | Pern | nian Basin F | Environme | ntal Lab, l | L.P. | | | | |
| General Chemistry Parameters by EPA | Standard Method | ls | | | | | | | |
| Chloride | 1.77 | 1.03 | mg/kg dry | 1 | P9G0404 | 07/04/19 | 07/05/19 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | |
| Total Petroleum Hydrocarbons C6-C35 l | by EPA Method 80 |)15M | | | | | | | |
| C6-C12 | ND | 25.8 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C12-C28 | ND | 25.8 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| >C28-C35 | ND | 25.8 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: 1-Chlorooctane | | 82.8 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Surrogate: o-Terphenyl | | 91.3 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.8 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

| TZ Cell H G5 |
|-------------------|
| 9F28012-05 (Soil) |

| | | Reporting | | | | | | | | | | | |
|---------------------------------------|------------------|-----------|-----------|----------|---------|----------|----------|------------|-------|--|--|--|--|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | | | |
| Permian Basin Environmental Lab, L.P. | | | | | | | | | | | | | |
| General Chemistry Parameters by EPA / | Standard Method | ls | | | | | | | | | | | |
| Chloride | 1.26 | 1.02 | mg/kg dry | 1 | P9G0501 | 07/05/19 | 07/05/19 | EPA 300.0 | | | | | |
| % Moisture | 2.0 | 0.1 | % | 1 | P9G0101 | 07/01/19 | 07/01/19 | ASTM D2216 | | | | | |
| Total Petroleum Hydrocarbons C6-C35 h | oy EPA Method 80 |)15M | | | | | | | | | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | | | | | |
| >C12-C28 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | | | | | |
| >C28-C35 | ND | 25.5 | mg/kg dry | 1 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | | | | | |
| Surrogate: 1-Chlorooctane | | 79.6 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | | | | | |
| Surrogate: o-Terphenyl | | 84.8 % | 70-1 | 30 | P9F2905 | 06/29/19 | 07/01/19 | TPH 8015M | | | | | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 25.5 | mg/kg dry | 1 | [CALC] | 06/29/19 | 07/01/19 | calc | | | | | |

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------------------|--------|--------------------|-----------|----------------|------------------|----------|----------------|------|--------------|--------|
| , mary c | result | Limit | Onits | Level | Result | 70KEC | Limits | | Lillit | 110103 |
| Batch P9G0101 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0101-BLK1) | | | | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P9G0101-DUP1) | Sour | ce: 9F28014- | .05 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 2.0 | 0.1 | % | | 1.0 | | | 66.7 | 20 | |
| Duplicate (P9G0101-DUP2) | Sour | ce: 9F28019- | .05 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 17.0 | 0.1 | % | | 18.0 | | | 5.71 | 20 | |
| Duplicate (P9G0101-DUP3) | Sour | ce: 9F28021- | -01 | Prepared & | z Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 3.0 | | | 0.00 | 20 | |
| Duplicate (P9G0101-DUP4) | Sour | ce: 9F28024- | 01 | Prepared & | Analyzed: | 07/01/19 | | | | |
| % Moisture | 3.0 | 0.1 | % | | 2.0 | | | 40.0 | 20 | |
| Batch P9G0404 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P9G0404-BLK1) | | | | Prepared & | z Analyzed: | 07/04/19 | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| LCS (P9G0404-BS1) | | | | Prepared & | : Analyzed: | 07/04/19 | | | | |
| Chloride | 192 | 1.00 | mg/kg wet | 200 | | 95.9 | 80-120 | | | |
| LCS Dup (P9G0404-BSD1) | | | | Prepared & | : Analyzed: | 07/04/19 | | | | |
| Chloride | 194 | 1.00 | mg/kg wet | 200 | | 97.2 | 80-120 | 1.33 | 20 | |
| Calibration Blank (P9G0404-CCB1) | | | | Prepared & | : Analyzed: | 07/04/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|----------------------------|---|---|---|---|--|----------------------------|------|--------------|-------|
| Batch P9G0404 - *** DEFAULT PREP *** | | | | | | | | | | |
| Calibration Blank (P9G0404-CCB2) | | | | Prepared: (| 07/04/19 A | nalyzed: 07 | /05/19 | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |
| Calibration Check (P9G0404-CCV1) | | | | Prepared & | Analyzed: | 07/04/19 | | | | |
| Chloride | 10.2 | | mg/kg | 10.0 | | 102 | 0-200 | | | |
| Calibration Check (P9G0404-CCV2) | | | | Prepared: (| 07/04/19 A | nalyzed: 07 | /05/19 | | | |
| Chloride | 9.67 | | mg/kg | 10.0 | | 96.7 | 0-200 | | | |
| Calibration Check (P9G0404-CCV3) | | | | Prepared: (| 07/04/19 A | nalyzed: 07 | /05/19 | | | |
| Chloride | 10.0 | | mg/kg | 10.0 | | 100 | 0-200 | | | |
| N | Source: 9F27022-02 | | Prepared & Analyzed: 07/04/19 | | | | | | | |
| Matrix Spike (P9G0404-MS1) | Soul | ce: 9F2/022 | -02 | i icparcu o | . Anaryzcu. | 01/01/12 | | | | |
| Matrix Spike (P9G0404-MS1) Chloride | 1190 | | mg/kg dry | 595 | 670 | 86.5 | 80-120 | | | |
| | 1190 | | mg/kg dry | 595 | | 86.5 | | | | |
| Chloride | 1190 | 1.19 rce: 9F27022 | mg/kg dry | 595 | 670 | 86.5 | | | | |
| Chloride Matrix Spike (P9G0404-MS2) | 1190 Sour 570 | 1.19 rce: 9F27022 | mg/kg dry -12 mg/kg dry | 595 Prepared: (| 670 07/04/19 A | 86.5 nalyzed: 07. 94.2 | /05/19 | | | |
| Chloride Matrix Spike (P9G0404-MS2) Chloride | 1190 Sour 570 | 1.19 rce: 9F27022 1.08 rce: 9F27022 | mg/kg dry -12 mg/kg dry | 595 Prepared: (| 670 07/04/19 At 63.3 | 86.5 nalyzed: 07. 94.2 | /05/19 | 7.06 | 20 | |
| Chloride Matrix Spike (P9G0404-MS2) Chloride Matrix Spike Dup (P9G0404-MSD1) | 570 Sour | 1.19 rce: 9F27022 1.08 rce: 9F27022 | mg/kg dry -12 mg/kg dry -02 mg/kg dry | 595 Prepared: (538 Prepared & | 670 07/04/19 At 63.3 2 Analyzed: | 86.5 nalyzed: 07. 94.2 07/04/19 73.0 | 80-120 80-120 | 7.06 | 20 | |
| Chloride Matrix Spike (P9G0404-MS2) Chloride Matrix Spike Dup (P9G0404-MSD1) Chloride | 570 Sour | 1.19 rce: 9F27022 1.08 rce: 9F27022 1.19 rce: 9F27022 | mg/kg dry -12 mg/kg dry -02 mg/kg dry | 595 Prepared: (538 Prepared & | 670 07/04/19 Ai 63.3 2 Analyzed: 670 | 86.5 nalyzed: 07. 94.2 07/04/19 73.0 | 80-120 80-120 | 7.06 | 20 | |
| Chloride Matrix Spike (P9G0404-MS2) Chloride Matrix Spike Dup (P9G0404-MSD1) Chloride Matrix Spike Dup (P9G0404-MSD2) | 570 Sour 1100 Sour | 1.19 rce: 9F27022 1.08 rce: 9F27022 1.19 rce: 9F27022 | mg/kg dry -12 mg/kg dry -02 mg/kg dry -12 | 595 Prepared: (538 Prepared & 595 Prepared: (| 670 07/04/19 Ai 63.3 z Analyzed: 670 07/04/19 Ai | 86.5 nalyzed: 07. 94.2 07/04/19 73.0 nalyzed: 07. | 80-120 80-120 /05/19 | | | |
| Chloride Matrix Spike (P9G0404-MS2) Chloride Matrix Spike Dup (P9G0404-MSD1) Chloride Matrix Spike Dup (P9G0404-MSD2) Chloride | 570 Sour 1100 Sour | 1.19 rce: 9F27022 1.08 rce: 9F27022 1.19 rce: 9F27022 | mg/kg dry -12 mg/kg dry -02 mg/kg dry -12 | 595 Prepared: (538 Prepared & 595 Prepared: (538 | 670 07/04/19 Ai 63.3 z Analyzed: 670 07/04/19 Ai | 86.5 nalyzed: 07. 94.2 07/04/19 73.0 nalyzed: 07. 95.1 | 80-120 80-120 /05/19 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--------------------------------------|--------|--------------|-----------|------------|-------------|------------|--------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9G0501 - *** DEFAULT PREP *** | | | | | | | | | | |
| LCS (P9G0501-BS1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 194 | 1.00 | mg/kg wet | 200 | | 97.1 | 80-120 | | | |
| LCS Dup (P9G0501-BSD1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 196 | 1.00 | mg/kg wet | 200 | | 97.8 | 80-120 | 0.754 | 20 | |
| Calibration Blank (P9G0501-CCB1) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |
| Calibration Blank (P9G0501-CCB2) | | | | Prepared & | : Analyzed: | 07/05/19 | | | | |
| Chloride | 0.00 | | mg/kg wet | | | | | | | |
| Calibration Check (P9G0501-CCV1) | | | | Prepared & | : Analyzed: | 07/05/19 | | | | |
| Chloride | 9.76 | | mg/kg | 10.0 | | 97.6 | 0-200 | | | |
| Calibration Check (P9G0501-CCV2) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 9.99 | | mg/kg | 10.0 | | 99.9 | 0-200 | | | |
| Calibration Check (P9G0501-CCV3) | | | | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 9.54 | | mg/kg | 10.0 | | 95.4 | 0-200 | | | |
| Matrix Spike (P9G0501-MS1) | Sou | rce: 9F28012 | 2-05 | Prepared & | Analyzed: | 07/05/19 | | | | |
| Chloride | 468 | 1.02 | mg/kg dry | 510 | 1.26 | 91.4 | 80-120 | | | |
| Matrix Spike (P9G0501-MS2) | Sou | rce: 9F28015 | 5-01 | Prepared & | Analyzed: | : 07/05/19 | | | | |
| Chloride | 476 | 1.03 | mg/kg dry | 515 | 2.57 | 91.8 | 80-120 | | | |
| Matrix Spike Dup (P9G0501-MSD1) | Sou | rce: 9F28012 | 2-05 | Prepared & | : Analyzed: | 07/05/19 | | | | |
| Chloride | 480 | 1.02 | mg/kg dry | 510 | 1.26 | 93.8 | 80-120 | 2.56 | 20 | |

Project: Lea Station Landfarm

10 Desta Dr STE 150E

Project Number: SRS# 2004-00061

Midland TX, 79705 Project Manager: Curt Stanley

| General Chemistry Parameters by EPA / Standard Methods - Quality Control |
|--|
| Permian Basin Environmental Lab, L.P. |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch P9G0501 - *** DEFAULT PREP ***

| Matrix Spike Dup (P9G0501-MSD2) | Source: 9 | 0F28015-01 | Prepared & | Analyzed: | 07/05/19 | | | | |
|---------------------------------|-----------|----------------|------------|-----------|----------|--------|------|----|--|
| Chloride | 494 | 1.03 mg/kg dry | 515 | 2.57 | 95.3 | 80-120 | 3.73 | 20 | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|---------------------------------------|-----------|-------------|------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2905 - TX 1005 | | | | | | | | | | |
| Blank (P9F2905-BLK1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | //01/19 | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 79.5 | | " | 100 | | 79.5 | 70-130 | | | |
| Surrogate: o-Terphenyl | 41.5 | | " | 50.0 | | 83.0 | 70-130 | | | |
| LCS (P9F2905-BS1) | | Prepared: 06/29/19 Analyzed: 07/01/19 | | | | | | | | |
| C6-C12 | 908 | 25.0 | mg/kg wet | 1000 | | 90.8 | 75-125 | | | |
| >C12-C28 | 839 | 25.0 | " | 1000 | | 83.9 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 97.5 | | " | 100 | | 97.5 | 70-130 | | | |
| Surrogate: o-Terphenyl | 37.7 | | " | 50.0 | | 75.3 | 70-130 | | | |
| LCS Dup (P9F2905-BSD1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | //01/19 | | | |
| C6-C12 | 856 | 25.0 | mg/kg wet | 1000 | | 85.6 | 75-125 | 5.84 | 20 | |
| >C12-C28 | 821 | 25.0 | " | 1000 | | 82.1 | 75-125 | 2.17 | 20 | |
| Surrogate: 1-Chlorooctane | 92.4 | | " | 100 | | 92.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 36.2 | | " | 50.0 | | 72.4 | 70-130 | | | |
| Calibration Blank (P9F2905-CCB1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | //01/19 | | | |
| C6-C12 | 5.92 | | mg/kg wet | | | | | | | |
| >C12-C28 | 12.8 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 68.8 | | " | 100 | | 68.8 | 70-130 | | | S-GC |
| Surrogate: o-Terphenyl | 36.4 | | " | 50.0 | | 72.7 | 70-130 | | | |
| Calibration Blank (P9F2905-CCB2) | | Prepared: 06/29/19 Analyzed: 07/01/19 | | | | | | | | |
| C6-C12 | 7.37 | | mg/kg wet | | | | | | | |
| >C12-C28 | 14.7 | | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 66.3 | | " | 100 | | 66.3 | 70-130 | | | S-GC |
| Surrogate: o-Terphenyl | 36.2 | | " | 50.0 | | 72.4 | 70-130 | | | |

Project: Lea Station Landfarm Project Number: SRS# 2004-00061

10 Desta Dr STE 150E Midland TX, 79705

Project Manager: Curt Stanley

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|--------------|-----------|-------------|------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch P9F2905 - TX 1005 | | | | | | | | | | |
| Calibration Check (P9F2905-CCV1) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 441 | 25.0 | mg/kg wet | 500 | | 88.2 | 85-115 | | | |
| >C12-C28 | 461 | 25.0 | " | 500 | | 92.2 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 94.0 | | " | 100 | | 94.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 42.8 | | " | 50.0 | | 85.5 | 70-130 | | | |
| Calibration Check (P9F2905-CCV2) | | | | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/01/19 | | | |
| C6-C12 | 485 | 25.0 | mg/kg wet | 500 | <u> </u> | 96.9 | 85-115 | | | |
| >C12-C28 | 522 | 25.0 | " | 500 | | 104 | 85-115 | | | |
| Surrogate: 1-Chlorooctane | 102 | | " | 100 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47.4 | | " | 50.0 | | 94.8 | 70-130 | | | |
| Duplicate (P9F2905-DUP1) | Sou | rce: 9F28013 | 3-03 | Prepared: (| 06/29/19 A | nalyzed: 07 | 7/02/19 | | | |
| C6-C12 | ND | 25.5 | mg/kg dry | | 9.86 | <u> </u> | | | 20 | |
| >C12-C28 | 21.0 | 25.5 | " | | 15.2 | | | 32.2 | 20 | |
| Surrogate: 1-Chlorooctane | 80.2 | | " | 102 | | 78.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 44.6 | | " | 51.0 | | 87.5 | 70-130 | | | |

TRC Solutions- Midland, Texas 10 Desta Dr STE 150E

Midland TX, 79705

Project: Lea Station Landfarm
Project Number: SRS# 2004-00061
Project Manager: Curt Stanley

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

| | Dren | Darron | | | |
|---------------------|------|--------|-------|----------|--|
| Report Approved By: | | | Date: | 7/8/2019 | |

Brent Barron, Laboratory Director/Technical Director

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP 10014 S. County Road 1213

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TAT brebnet2 ☐ NPDES FedEx Lone Star PUST (Pra-Schodule) 24, 48, 72 hrs TCLP BTEX Paint Filter Lea Station Landfarm Chlorides E 300 × × × × Lea County, NM 2004-00061 TRRP M.A.O.M. RCI by Sampler/Client Rep. ?
by Courier?

Temperature Upon Receipt.
Received: & , S . ° ° C Adjusted: 4, C . ° ° C Fac Custody seals on container(s VOCs Free of Headspace? BTEX 8021B/5030 or BTEX 6260 Analyze For Laboratory Comments Sample Hand Delivered X Standard Metals: As Ag Ba Cd Cr Pb Hg Se TCLP: TOTAL: SAR / ESP / CEC Anions (Cl. SO4, Alkalinity) Project Loc: ₩ ₩ Project Name: Project #: Cations (Ca, Mg, Na, K) Report Format: 16:05 8001 XT 3001 XT Time line × × × 80158 MS 109 1.814 :HGT Soil Soil Soil Soil Soil cdstanley@trcsolutions.com OW=Drinking Water SL=Studge Date Date Other (Specify) cibryant@paalp.com Preservation & # of Containers [©]O^zS^zeN HOBM OS^zH ЮН €ОМН မာ၊ × × otal #. of Containera benetiili blei Fax No: e-mail: 20 70 Time Sampled Š $\frac{2}{2}$ 6/27/2019 6/27/2019 6/27/2019 6/27/2019 6/27/2019 Received by: Received by: Date Sampled Ending Depth 0060 Time TRC Environmental Corporation Beginning Depth Company Address: 10 Desta Drive, Suite 150 E 241 Midland/TX/79705 (432)520-7720 Sampler Signature: Curt Stanley TZ Cell H G3 TZ Cell H G4 TZ Cell H G5 TZ Cell H G2 FIELO CODE TZ Cell H G1 ORDER#: 9F 29012 Bill to Plains Project Manager: Company Name Telephone No: City/State/Zip: Special Instructions: pauished by: (guished b) (lab use only (Vino eau del) # 8AJ Page 15 of 15