



3100 Plains Highway  
P. O. Box 301  
Lovington, New Mexico 88260  
danield@etechenv.com  
Office: (575) 396-2378  
Fax: (575) 396-1429

## **REMEDIATION SUMMARY & SITE CLOSURE REQUEST**

**Goodnight Midstream Permian, LLC  
JALAPENO RP  
Lea County, New Mexico  
Unit Letter "N", Section 19, Township 22 South, Range 35 East  
Latitude 32.3712306° North, Longitude 103.410122° West  
NMOCD Reference #1RP-5354; 1RP-5438**

**Prepared For:**

Goodnight Midstream Permian, LLC  
5910 N Central Expy  
Dallas, TX 75206

**Prepared By:**

Etech Environmental & Safety Solutions, Inc.  
3100 Plains Highway  
Lovington, New Mexico 88260

**July 2019**

A handwritten signature in black ink, appearing to read "Daniel Dominguez", is written over a horizontal line.

Daniel Dominguez  
Project Manager



The following Remediation Summary & Closure Request serves as a condensed update on field activities undertaken at the afore referenced Site.

## **BACKGROUND**

The release site is located in Unit Letter N (SE ¼ of SW ¼), Section 19, Township 22 South, Range 35 East, approximately 16 miles south-west of Eunice, in Lea County, New Mexico. The property is privately owned.

The release site is located on an active battery; latitude 32.371230 North, longitude 103.410122 West. Site Location Map, Depth to Groundwater Map, and Chloride Sample Results are included as Figure 1, Figure 2, and Figure 3, respectively. The initial NMOCD Form C-141 indicates that on January 13, 2019, Goodnight discovered a release of an estimated 17 bbls of produced water from a 12" inlet line that was pressurized to a point of rupture. None of the product was recovered. The release initially impacted an estimated 800 square feet of pad. The NMOCD was notified of the release on January 14, 2019. The initial C-141 for this release was submitted twice to the OCD. The first C-141 was not accepted as the company rep. had not signed it, so it was resubmitted with the proper signature. However, both C-141's received RP numbers, 1RP 5354 and 1RP 5438. Both submitted initial NMOCD Form C-141's are included as Attachment IV.

## **NMOCD SITE CLASSIFICATION**

A search for water wells was completed utilizing the New Mexico Office of the State Engineer (NMOSE) and the United States Geologic Survey (USGS) websites. One well (USGS 322238103225201) is located in the area surrounding the release site (reference Attachment II). Also, no wells (domestic, agriculture or public) and no bodies of surface water exist within a 1,000-foot radius of the release site (reference Figure 2). The Chevron Trend Map (2005) was also utilized and indicates average water depth in the area is approximately 78 feet below ground surface (bgs).

Utilizing this information, the NMOCD guidelines indicate the Jalapeno RP release site to have an initial ranking score of ten. Based on this score, the NMOCD soil remediation levels for vertical delineation on this Site were determined as follows:

- Benzene – 10 mg/kg
- Benzene, ethylbenzene, toluene, and xylenes (BTEX) – 50 mg/kg
- Total petroleum hydrocarbons (TPH) – 2,500 mg/kg
- Chloride – 10,000 mg/kg

## **DELINEATION ACTIVITIES**

On January 14, 2019, Etech began remediation activities. After it was discovered that the release had impacted the soils beneath the tank, the tank was removed in order to ensure the remediation could be completed. Field screens were taken throughout the remediation process due to the landowner requesting far lower concentration of constituents of interest left in-situ than required by the NMOCD.

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The remediated area consisted of the removal of approximately 3,300 cubic yards of impacted soils hauled to a state approved facility for disposal. Final samples for the location began to be retrieved on March 26<sup>th</sup>, 2019. Laboratory results confirm that delineation was achieved (reference Figure 3 and Table 1). Laboratory analytical reports are provided as Attachment III. The excavation was then backfilled with imported, non-impacted soils, compacted and contoured to the surrounding area.

### **QA/QC PROCEDURES**

Discrete soil samples were delivered to Cardinal Laboratories in Hobbs, New Mexico, for BTEX, TPH, and chloride analysis. EPA Methods 8021B, SW-846 8015M, and 4500 Cl-B were utilized to determine BTEX, TPH, and Chloride concentrations, respectively. Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned and rinsed with distilled water. The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody. These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

### **SITE CLOSURE REQUEST**

Soil samples collected from the Jalapeno RP site were analyzed by an NMOCD approved laboratory, and concentrations of benzene, BTEX, TPH, and chloride were below the regulatory remediation action levels established for the site by the NMOCD.

Etech Environmental recommends Goodnight Midstream Permian, LLC provide the NMOCD Hobbs District Office or representative a copy of this *Remediation Summary & Site Closure Request* and request the NMOCD grant site closure to the Jalapeno RP release site.

### **LIMITATIONS**

Etech Environmental & Safety Solutions, Inc. has prepared this *Remediation Summary & Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech Environmental has not conducted an independent examination of the facts contained in referenced materials and statements. Etech Environmental has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech Environmental has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Goodnight Midstream Permian, LLC. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech Environmental & Safety Solutions, Inc. and/or Goodnight Midstream Permian, LLC.

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Should you have any questions or concerns please feel free to contact me at (432) 813-1592 or via email at [danield@etechenv.com](mailto:danield@etechenv.com) or Mr. Ralph Tijerina at (214) 587-4964 or via email at [rtijerina@goodnightmidstream.com](mailto:rtijerina@goodnightmidstream.com). All official communication should be addressed to:

Mr. Ralph Tijerina  
Goodnight Midstream Permian, LLC  
5910 N Central Expy  
Dallas, TX 75206

Sincerely,

Etech Environmental & Safety Solutions, Inc.



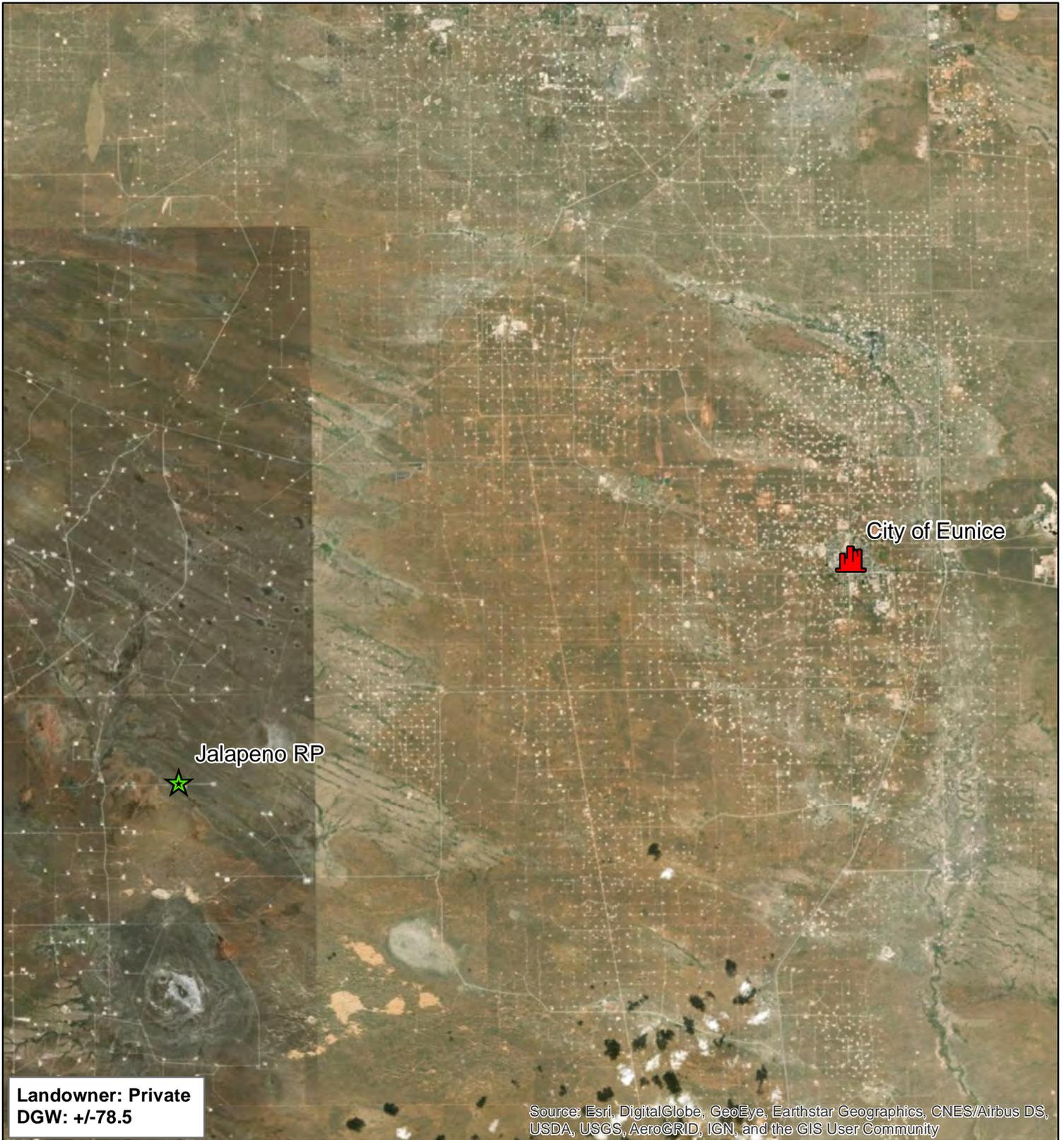
Daniel Dominguez  
Project Manager

cc: Rick Rickman, NMOCD, Hobbs, NM  
File

Encl.: Figure 1 – Site Location Map  
Figure 2 – Depth to Groundwater Map  
Figure 3 – Chloride Sample Results  
Table 1 – Concentrations of Benzene, BTEX, TPH, & Chloride in Soil  
Attachment I – Photographs  
Attachment II – USGS Water Well Search Results  
Attachment III – Laboratory Analytical Results  
Attachment IV – NMOCD Form C-141

## FIGURES

# SITE LOCATION MAP



Landowner: Private  
DGW: +/-78.5

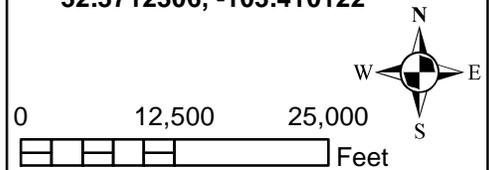
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



## **GOODNIGHT MIDSTREAM JALAPENO RP**

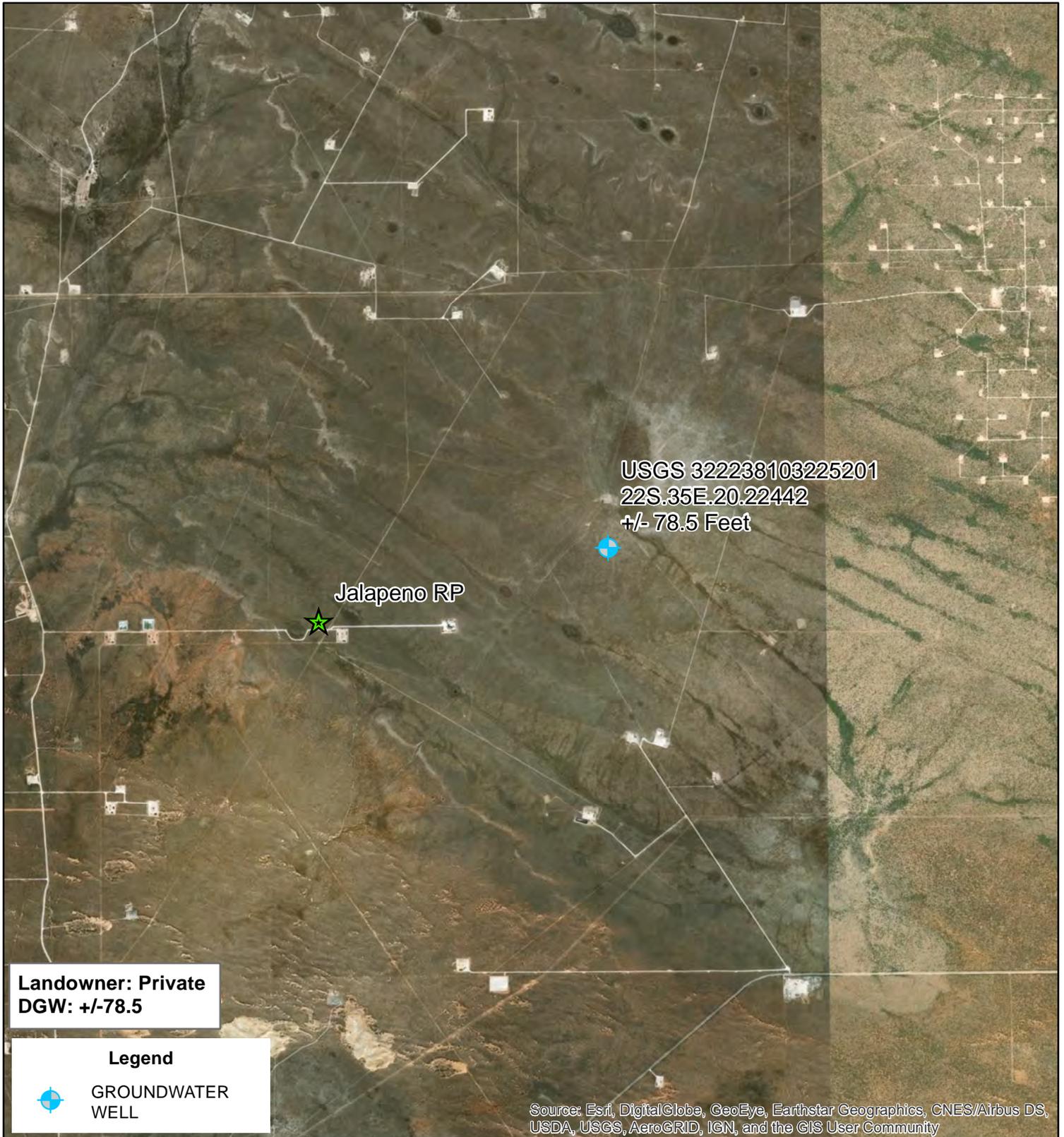
**UL N SECTION 19  
T-22-S R-35-E  
LEA COUNTY, NM**

**RELEASE POINT GPS (NAD 83):  
32.3712306, -103.410122**



Drawing date: 5/30/19  
Drafted by: M. Grieco

# DEPTH TO GROUNDWATER MAP



Landowner: Private  
DGW: +/-78.5

### Legend



GROUNDWATER  
WELL

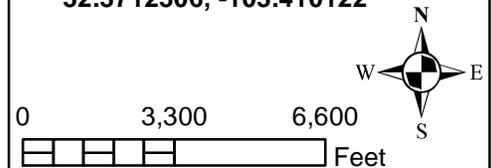
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



## **GOODNIGHT MIDSTREAM JALAPENO RP**

**UL N SECTION 19  
T-22-S R-35-E  
LEA COUNTY, NM**

**RELEASE POINT GPS (NAD 83):  
32.3712306, -103.410122**



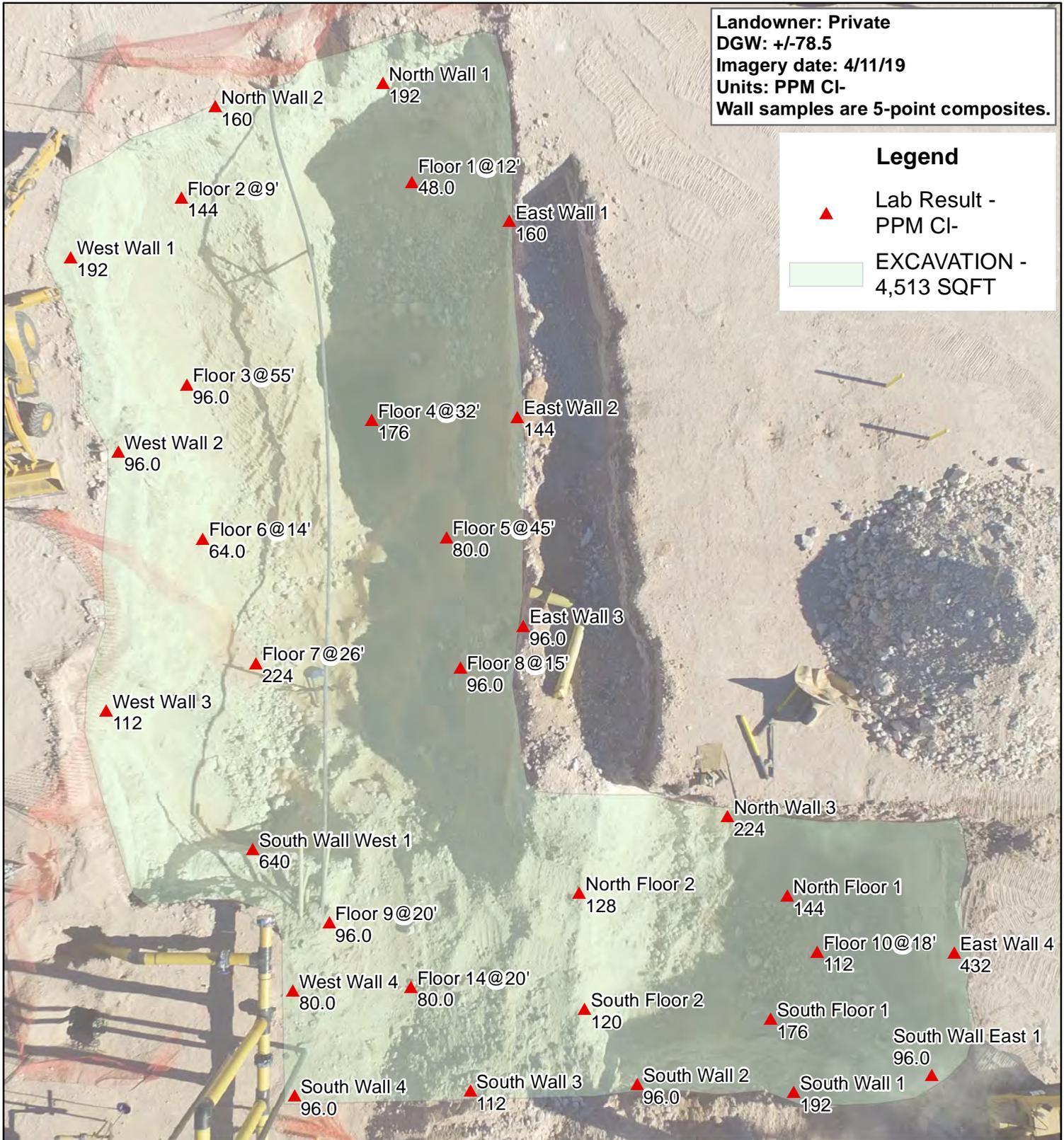
Drawing date: 5/30/19  
Drafted by: M. Grieco

# CHLORIDE SAMPLE RESULTS

Landowner: Private  
 DGW: +/-78.5  
 Imagery date: 4/11/19  
 Units: PPM Cl-  
 Wall samples are 5-point composites.

## Legend

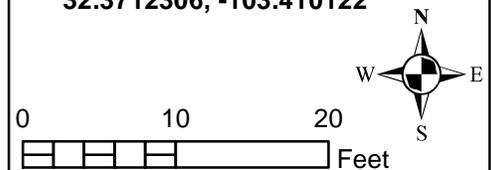
- ▲ Lab Result - PPM Cl-
- EXCAVATION - 4,513 SQFT



## GOODNIGHT MIDSTREAM JALAPENO RP

UL N SECTION 19  
 T-22-S R-35-E  
 LEA COUNTY, NM

RELEASE POINT GPS (NAD 83):  
 32.3712306, -103.410122



Drawing date: 5/28/19  
 Drafted by: M. Grieco

## TABLES

**TABLE 1**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**  
**GOODNIGHT MIDSTREAM PERMIAN, LLC.**  
**JALAPENO RP**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD # - 1RP 5354**  
**Unit Letter N, Section 19, Township 22 South, Range 35 East**

| SAMPLE LOCATION                                   | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 |                 |                       |                       |                    | METHOD: 8015M                               |                                              |                                              | TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg) | 4500 Cl-B CHLORIDE (mg/Kg) |
|---------------------------------------------------|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---------------------------------------------|----------------------------------------------|----------------------------------------------|---------------------------------------------|----------------------------|
|                                                   |                    |             |             | BENZENE (mg/Kg)                | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C <sub>6</sub> -C <sub>10</sub> (mg/Kg) | DRO C <sub>10</sub> -C <sub>28</sub> (mg/Kg) | ORO C <sub>28</sub> -C <sub>35</sub> (mg/Kg) |                                             |                            |
| FLOOR 1 @ 12'                                     | 12'                | 3/26/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 48.0                       |
| FLOOR 2 @ 8'                                      | 8'                 | 4/8/19      | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 144                        |
| FLOOR 3 @ 55'                                     | 55'                | 4/23/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 96.0                       |
| FLOOR 4 @ 32'                                     | 32'                | 3/26/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 176                        |
| FLOOR 5 @ 45'                                     | 45'                | 4/23/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 80.0                       |
| FLOOR 6 @ 14'                                     | 14'                | 3/26/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 64.0                       |
| FLOOR 7 @ 26'                                     | 26'                | 3/26/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 224                        |
| FLOOR 8 @ 15'                                     | 15'                | 3/26/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 96.0                       |
| FLOOR 9 @ 20'                                     | 20'                | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 96.0                       |
| FLOOR 10 @ 18'                                    | 18'                | 5/1/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 112                        |
| FLOOR 14 @ 20'                                    | 20'                | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 80.0                       |
| NORTH FLOOR 1                                     | 14'                | 4/23/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 144                        |
| NORTH FLOOR 2                                     | 14'                | 4/23/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 128                        |
| SOUTH FLOOR 1                                     | 14'                | 4/23/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 176                        |
| SOUTH FLOOR 2                                     | 14'                | 4/23/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 128                        |
| EAST WALL 1                                       | 10'                | 3/26/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 160                        |
| EAST WALL 2                                       | 10'                | 3/26/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 144                        |
| EAST WALL 3                                       | 10'                | 3/26/2019   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 96.0                       |
| EAST WALL 4                                       | 7'                 | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 432                        |
| WEST WALL 1                                       | 9'                 | 4/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 304                        |
| WEST WALL 2                                       | 7'                 | 4/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 320                        |
| WEST WALL 3                                       | 9'                 | 4/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 16.0                       |
| WEST WALL 4                                       | 10'                | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 80.0                       |
| NORTH WALL 1                                      | 8'                 | 4/9/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 192                        |
| NORTH WALL 2                                      | 8'                 | 4/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 160                        |
| NORTH WALL 3                                      | 7'                 | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 224                        |
| SOUTH WALL 1                                      | 7'                 | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 192                        |
| SOUTH WALL 2                                      | 7'                 | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 96.0                       |
| SOUTH WALL 3                                      | 7'                 | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 112                        |
| SOUTH WALL 4                                      | 10'                | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 96.0                       |
| SOUTH WALL WEST 1                                 | 10'                | 4/9/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 640                        |
| SOUTH WALL EAST 1                                 | 10'                | 5/8/2019    | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0                                        | <10.0                                        | <30.0                                       | 96.0                       |
| <b>NMOCD Recommended Remediation Action Level</b> |                    |             |             | <b>10</b>                      |                 |                       |                       | <b>50</b>          |                                             |                                              |                                              | <b>2,500</b>                                | <b>10,000</b>              |

NA = Not analyzed.

## ATTACHMENTS

ATTACHMENT I  
Photographs

# Goodnight Midstream – Jalapeno RP (1RP-5354)

Unit Letter N of Section 19, T22S, R35E



Release area, facing south

1/13/19



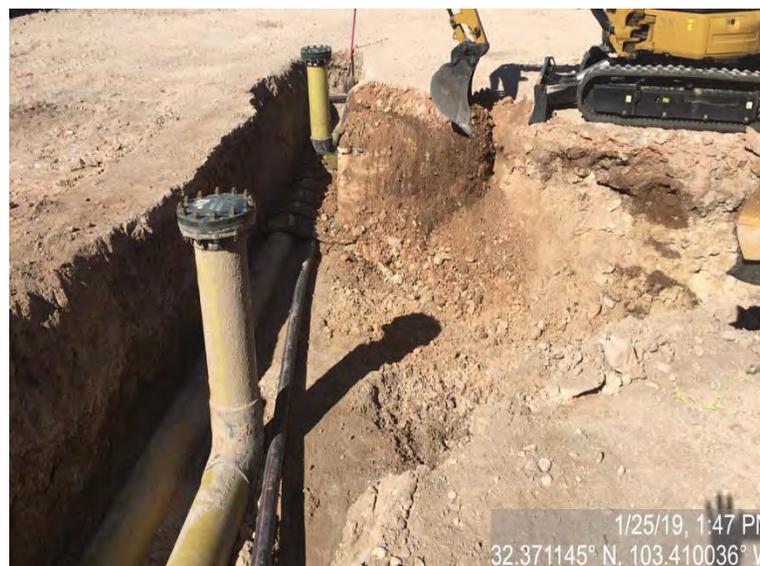
Release area, facing southeast

1/13/19



Excavation, facing south

1/23/19



Excavation, facing north

1/25/19

# Goodnight Midstream – Jalapeno RP (1RP-5354)

Unit Letter N of Section 19, T22S, R35E



Excavation, facing south

1/31/19



Release area, facing west

4/12/19



Excavation

4/18/19



Excavation

4/18/19

# Goodnight Midstream – Jalapeno RP (1RP-5354)

Unit Letter N of Section 19, T22S, R35E



Backfilling, facing north

5/16/19



Backfilling, facing north

5/23/19



Backfilled, facing southwest

5/30/19



Backfilled, facing north

5/30/19

ATTACHMENT II  
USGS Water Well Search Results



USGS Home  
 Contact USGS  
 Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#)

|                |                  |    |
|----------------|------------------|----|
| Data Category: | Geographic Area: | GO |
| Groundwater    | New Mexico       |    |

Click to hide News Bulletins

- Due to a lapse in appropriations, the majority of USGS websites may not be up to date and may not reflect current conditions. Websites displaying real-time data, such as Earthquake and Water and information needed for public health and safety will be updated with limited support. Additionally, USGS will not be able to respond to inquiries until appropriations are enacted. For more information, please see [www.doi.gov/shutdown](http://www.doi.gov/shutdown).
- [Please see news on new formats](#)
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 322238103225201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 322238103225201 22S.35E.20.22442

Available data for this site

Lea County, New Mexico

Hydrologic Unit Code 13070007

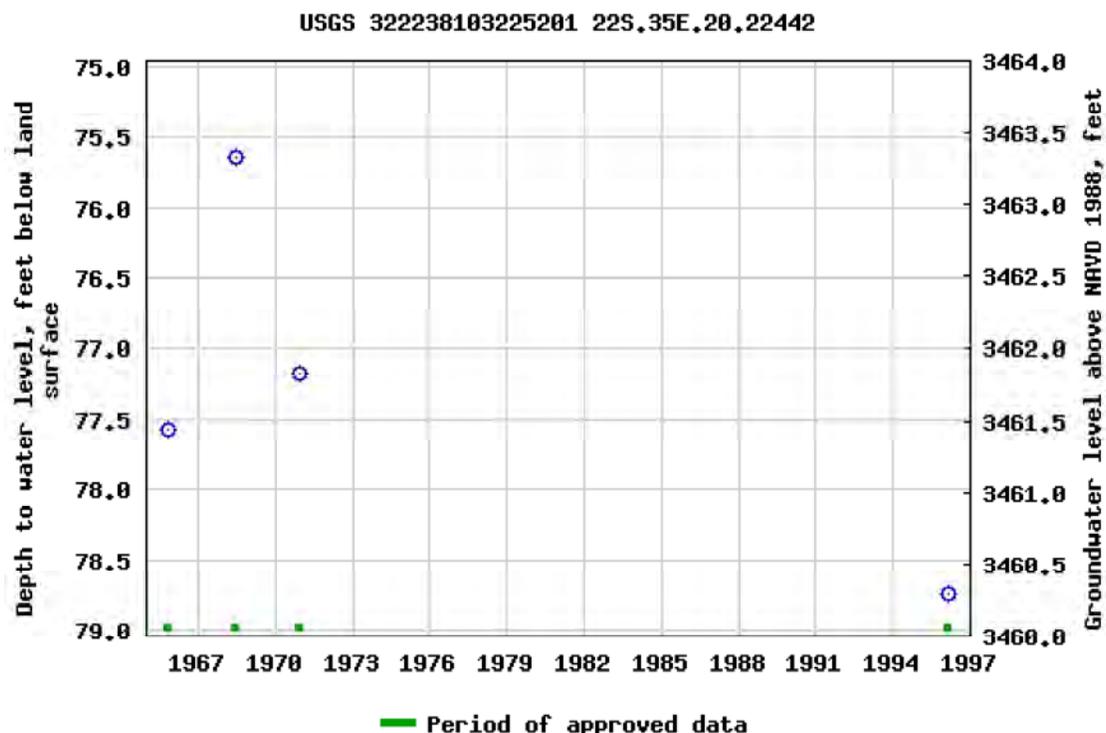
Latitude 32°22'38", Longitude 103°22'52" NAD27

Land-surface elevation 3,539 feet above NAVD88

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

**Output formats**

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title:** Groundwater for New Mexico: Water Levels

**URL:** <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2019-01-14 10:22:01 EST

1.11 0.93 nadww01

ATTACHMENT III  
Laboratory Analytical Results



May 22, 2019

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: JALAPENO RP #1

Enclosed are the results of analyses for samples received by the laboratory on 05/09/19 14:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

|                  |                                                 |
|------------------|-------------------------------------------------|
| Method SM 9223-B | Total Coliform and E. coli (Colilert MMO-MUG)   |
| Method EPA 524.2 | Regulated VOCs and Total Trihalomethanes (TTHM) |
| Method EPA 552.2 | Total Haloacetic Acids (HAA-5)                  |

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

| Sample ID         | Laboratory ID | Matrix | Date Sampled    | Date Received   |
|-------------------|---------------|--------|-----------------|-----------------|
| NORTH WALL 3      | H901706-01    | Soil   | 08-May-19 09:07 | 09-May-19 14:09 |
| SOUTH WALL EAST 1 | H901706-02    | Soil   | 08-May-19 09:08 | 09-May-19 14:09 |
| EAST WALL 4       | H901706-03    | Soil   | 08-May-19 09:13 | 09-May-19 14:09 |
| SOUTH WALL 1      | H901706-04    | Soil   | 08-May-19 09:19 | 09-May-19 14:09 |
| SOUTH WALL 2      | H901706-05    | Soil   | 08-May-19 09:22 | 09-May-19 14:09 |
| SOUTH WALL 3      | H901706-06    | Soil   | 08-May-19 09:26 | 09-May-19 14:09 |
| WEST WALL 4       | H901706-07    | Soil   | 08-May-19 09:30 | 09-May-19 14:09 |
| FLOOR 9 @ 20'     | H901706-08    | Soil   | 08-May-19 09:33 | 09-May-19 14:09 |
| FLOOR 14 @ 20'    | H901706-09    | Soil   | 08-May-19 09:35 | 09-May-19 14:09 |
| SOUTH WALL 4      | H901706-10    | Soil   | 08-May-19 09:42 | 09-May-19 14:09 |

Sample IDs revised as per Robbie 05/22/19. This is the revised report and will replace the one sent on 05/17/19.

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**NORTH WALL 3**  
**H901706-01 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|                 |            |  |      |       |   |         |    |           |           |  |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| <b>Chloride</b> | <b>224</b> |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |

|                                              |  |  |        |  |          |         |    |           |       |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |  |  | 96.5 % |  | 73.3-129 | 9051306 | ms | 15-May-19 | 8021B |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                                  |  |  |        |  |        |         |    |           |       |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> |  |  | 89.9 % |  | 41-142 | 9051407 | MS | 15-May-19 | 8015B |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|

|                                      |  |  |        |  |          |         |    |           |       |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> |  |  | 91.7 % |  | 37.6-147 | 9051407 | MS | 15-May-19 | 8015B |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**SOUTH WALL EAST 1**
**H901706-02 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|          |      |  |      |       |   |         |    |           |           |  |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 96.0 |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |

|                                       |  |  |        |  |          |         |    |           |       |  |
|---------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) |  |  | 95.0 % |  | 73.3-129 | 9051306 | ms | 15-May-19 | 8021B |  |
|---------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                           |  |  |        |  |        |         |    |           |       |  |
|---------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane |  |  | 83.7 % |  | 41-142 | 9051407 | MS | 15-May-19 | 8015B |  |
|---------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|

|                               |  |  |        |  |          |         |    |           |       |  |
|-------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane |  |  | 86.2 % |  | 37.6-147 | 9051407 | MS | 15-May-19 | 8015B |  |
|-------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**EAST WALL 4**  
**H901706-03 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|                 |            |  |      |       |   |         |    |           |           |  |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| <b>Chloride</b> | <b>432</b> |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |

|                                              |  |  |        |  |          |         |    |           |       |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |  |  | 96.6 % |  | 73.3-129 | 9051306 | ms | 15-May-19 | 8021B |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                                  |  |  |        |  |        |         |    |           |       |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> |  |  | 85.6 % |  | 41-142 | 9051407 | MS | 15-May-19 | 8015B |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|

|                                      |  |  |        |  |          |         |    |           |       |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> |  |  | 86.0 % |  | 37.6-147 | 9051407 | MS | 15-May-19 | 8015B |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**SOUTH WALL 1**  
**H901706-04 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|                 |            |  |      |       |   |         |    |           |           |  |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| <b>Chloride</b> | <b>192</b> |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |

|                                              |  |  |        |  |          |         |    |           |       |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |  |  | 95.4 % |  | 73.3-129 | 9051306 | ms | 15-May-19 | 8021B |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                                  |  |  |        |  |        |         |    |           |       |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> |  |  | 81.7 % |  | 41-142 | 9051407 | MS | 15-May-19 | 8015B |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|

|                                      |  |  |        |  |          |         |    |           |       |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> |  |  | 83.8 % |  | 37.6-147 | 9051407 | MS | 15-May-19 | 8015B |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**SOUTH WALL 2**  
**H901706-05 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|          |      |  |      |       |   |         |    |           |           |  |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 96.0 |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |

|                                       |  |  |        |  |          |         |    |           |       |  |
|---------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) |  |  | 93.2 % |  | 73.3-129 | 9051306 | ms | 15-May-19 | 8021B |  |
|---------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                           |  |  |        |  |        |         |    |           |       |  |
|---------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane |  |  | 89.2 % |  | 41-142 | 9051407 | MS | 15-May-19 | 8015B |  |
|---------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|

|                               |  |  |        |  |          |         |    |           |       |  |
|-------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane |  |  | 91.6 % |  | 37.6-147 | 9051407 | MS | 15-May-19 | 8015B |  |
|-------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**SOUTH WALL 3**  
**H901706-06 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|                 |            |  |      |       |   |         |    |           |           |  |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| <b>Chloride</b> | <b>112</b> |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |

|                                              |  |  |        |  |          |         |    |           |       |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |  |  | 95.1 % |  | 73.3-129 | 9051306 | ms | 15-May-19 | 8021B |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                                  |  |  |        |  |        |         |    |           |       |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> |  |  | 88.9 % |  | 41-142 | 9051407 | MS | 15-May-19 | 8015B |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|

|                                      |  |  |        |  |          |         |    |           |       |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> |  |  | 91.2 % |  | 37.6-147 | 9051407 | MS | 15-May-19 | 8015B |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**WEST WALL 4**  
**H901706-07 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|                 |             |  |      |       |   |         |    |           |           |  |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| <b>Chloride</b> | <b>80.0</b> |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |

|                                              |  |  |        |  |          |         |    |           |       |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |  |  | 97.0 % |  | 73.3-129 | 9051306 | ms | 15-May-19 | 8021B |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                                  |  |  |        |  |        |         |    |           |       |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> |  |  | 82.4 % |  | 41-142 | 9051407 | MS | 15-May-19 | 8015B |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|

|                                      |  |  |        |  |          |         |    |           |       |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> |  |  | 84.2 % |  | 37.6-147 | 9051407 | MS | 15-May-19 | 8015B |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**FLOOR 9 @ 20'**
**H901706-08 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|          |      |  |      |       |   |         |    |           |           |  |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 96.0 |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |

|                                       |  |  |        |          |  |         |    |           |       |  |
|---------------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) |  |  | 95.3 % | 73.3-129 |  | 9051306 | ms | 15-May-19 | 8021B |  |
|---------------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                           |  |  |        |        |  |         |    |           |       |  |
|---------------------------|--|--|--------|--------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane |  |  | 86.0 % | 41-142 |  | 9051407 | MS | 15-May-19 | 8015B |  |
|---------------------------|--|--|--------|--------|--|---------|----|-----------|-------|--|

|                               |  |  |        |          |  |         |    |           |       |  |
|-------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane |  |  | 88.2 % | 37.6-147 |  | 9051407 | MS | 15-May-19 | 8015B |  |
|-------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**FLOOR 14 @ 20'**
**H901706-09 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|          |      |  |      |       |   |         |    |           |           |  |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 80.0 |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051306 | ms | 15-May-19 | 8021B |  |

|                                       |  |  |        |  |          |         |    |           |       |  |
|---------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) |  |  | 96.6 % |  | 73.3-129 | 9051306 | ms | 15-May-19 | 8021B |  |
|---------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                           |  |  |        |  |        |         |    |           |       |  |
|---------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane |  |  | 90.4 % |  | 41-142 | 9051407 | MS | 15-May-19 | 8015B |  |
|---------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|

|                               |  |  |        |  |          |         |    |           |       |  |
|-------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane |  |  | 92.5 % |  | 37.6-147 | 9051407 | MS | 15-May-19 | 8015B |  |
|-------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**SOUTH WALL 4**  
**H901706-10 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Inorganic Compounds**

|                 |             |  |      |       |   |         |    |           |           |  |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| <b>Chloride</b> | <b>96.0</b> |  | 16.0 | mg/kg | 4 | 9051403 | AC | 17-May-19 | 4500-Cl-B |  |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

**Volatile Organic Compounds by EPA Method 8021**

|                |        |  |       |       |    |         |    |           |       |  |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051307 | ms | 16-May-19 | 8021B |  |
| Toluene*       | <0.050 |  | 0.050 | mg/kg | 50 | 9051307 | ms | 16-May-19 | 8021B |  |
| Ethylbenzene*  | <0.050 |  | 0.050 | mg/kg | 50 | 9051307 | ms | 16-May-19 | 8021B |  |
| Total Xylenes* | <0.150 |  | 0.150 | mg/kg | 50 | 9051307 | ms | 16-May-19 | 8021B |  |
| Total BTEX     | <0.300 |  | 0.300 | mg/kg | 50 | 9051307 | ms | 16-May-19 | 8021B |  |

|                                              |  |  |        |  |          |         |    |           |       |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |  |  | 96.6 % |  | 73.3-129 | 9051307 | ms | 16-May-19 | 8021B |  |
|----------------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

**Petroleum Hydrocarbons by GC FID**

|                  |       |  |      |       |   |         |    |           |       |  |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10*      | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| DRO >C10-C28*    | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |
| EXT DRO >C28-C36 | <10.0 |  | 10.0 | mg/kg | 1 | 9051407 | MS | 15-May-19 | 8015B |  |

|                                  |  |  |        |  |        |         |    |           |       |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> |  |  | 78.9 % |  | 41-142 | 9051407 | MS | 15-May-19 | 8015B |  |
|----------------------------------|--|--|--------|--|--------|---------|----|-----------|-------|--|

|                                      |  |  |        |  |          |         |    |           |       |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> |  |  | 81.1 % |  | 37.6-147 | 9051407 | MS | 15-May-19 | 8015B |  |
|--------------------------------------|--|--|--------|--|----------|---------|----|-----------|-------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**Inorganic Compounds - Quality Control**
**Cardinal Laboratories**

| Analyte                             | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|-------------------------------------|--------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch 9051403 - 1:4 DI Water</b> |        |                 |       |             |               |      |             |      |           |       |
| <b>Blank (9051403-BLK1)</b>         |        |                 |       |             |               |      |             |      |           |       |
| Prepared & Analyzed: 14-May-19      |        |                 |       |             |               |      |             |      |           |       |
| Chloride                            | ND     | 16.0            | mg/kg |             |               |      |             |      |           |       |
| <b>LCS (9051403-BS1)</b>            |        |                 |       |             |               |      |             |      |           |       |
| Prepared & Analyzed: 14-May-19      |        |                 |       |             |               |      |             |      |           |       |
| Chloride                            | 400    | 16.0            | mg/kg | 400         |               | 100  | 80-120      |      |           |       |
| <b>LCS Dup (9051403-BSD1)</b>       |        |                 |       |             |               |      |             |      |           |       |
| Prepared & Analyzed: 14-May-19      |        |                 |       |             |               |      |             |      |           |       |
| Chloride                            | 400    | 16.0            | mg/kg | 400         |               | 100  | 80-120      | 0.00 | 20        |       |

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**Volatile Organic Compounds by EPA Method 8021 - Quality Control**
**Cardinal Laboratories**

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

**Batch 9051306 - Volatiles**
**Blank (9051306-BLK1)**

Prepared: 13-May-19 Analyzed: 15-May-19

|                                              |               |       |              |              |  |             |                 |  |  |  |
|----------------------------------------------|---------------|-------|--------------|--------------|--|-------------|-----------------|--|--|--|
| Benzene                                      | ND            | 0.050 | mg/kg        |              |  |             |                 |  |  |  |
| Toluene                                      | ND            | 0.050 | mg/kg        |              |  |             |                 |  |  |  |
| Ethylbenzene                                 | ND            | 0.050 | mg/kg        |              |  |             |                 |  |  |  |
| Total Xylenes                                | ND            | 0.150 | mg/kg        |              |  |             |                 |  |  |  |
| Total BTEX                                   | ND            | 0.300 | mg/kg        |              |  |             |                 |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.0949</i> |       | <i>mg/kg</i> | <i>0.100</i> |  | <i>94.9</i> | <i>73.3-129</i> |  |  |  |

**LCS (9051306-BS1)**

Prepared: 13-May-19 Analyzed: 15-May-19

|                                              |               |       |              |              |  |             |                 |  |  |  |
|----------------------------------------------|---------------|-------|--------------|--------------|--|-------------|-----------------|--|--|--|
| Benzene                                      | 1.89          | 0.050 | mg/kg        | 2.00         |  | 94.4        | 72.2-131        |  |  |  |
| Toluene                                      | 2.00          | 0.050 | mg/kg        | 2.00         |  | 99.8        | 71.7-126        |  |  |  |
| Ethylbenzene                                 | 1.91          | 0.050 | mg/kg        | 2.00         |  | 95.3        | 68.9-126        |  |  |  |
| Total Xylenes                                | 5.75          | 0.150 | mg/kg        | 6.00         |  | 95.8        | 71.4-125        |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.0939</i> |       | <i>mg/kg</i> | <i>0.100</i> |  | <i>93.9</i> | <i>73.3-129</i> |  |  |  |

**LCS Dup (9051306-BSD1)**

Prepared: 13-May-19 Analyzed: 15-May-19

|                                              |               |       |              |              |  |             |                 |        |      |  |
|----------------------------------------------|---------------|-------|--------------|--------------|--|-------------|-----------------|--------|------|--|
| Benzene                                      | 1.89          | 0.050 | mg/kg        | 2.00         |  | 94.3        | 72.2-131        | 0.0910 | 6.91 |  |
| Toluene                                      | 1.96          | 0.050 | mg/kg        | 2.00         |  | 98.0        | 71.7-126        | 1.86   | 7.12 |  |
| Ethylbenzene                                 | 1.89          | 0.050 | mg/kg        | 2.00         |  | 94.4        | 68.9-126        | 0.892  | 7.88 |  |
| Total Xylenes                                | 5.67          | 0.150 | mg/kg        | 6.00         |  | 94.5        | 71.4-125        | 1.40   | 7.46 |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.0913</i> |       | <i>mg/kg</i> | <i>0.100</i> |  | <i>91.3</i> | <i>73.3-129</i> |        |      |  |

**Batch 9051307 - Volatiles**
**Blank (9051307-BLK1)**

Prepared: 13-May-19 Analyzed: 16-May-19

|                                              |               |       |              |              |  |             |                 |  |  |  |
|----------------------------------------------|---------------|-------|--------------|--------------|--|-------------|-----------------|--|--|--|
| Benzene                                      | ND            | 0.050 | mg/kg        |              |  |             |                 |  |  |  |
| Toluene                                      | ND            | 0.050 | mg/kg        |              |  |             |                 |  |  |  |
| Ethylbenzene                                 | ND            | 0.050 | mg/kg        |              |  |             |                 |  |  |  |
| Total Xylenes                                | ND            | 0.150 | mg/kg        |              |  |             |                 |  |  |  |
| Total BTEX                                   | ND            | 0.300 | mg/kg        |              |  |             |                 |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.0946</i> |       | <i>mg/kg</i> | <i>0.100</i> |  | <i>94.6</i> | <i>73.3-129</i> |  |  |  |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**Volatile Organic Compounds by EPA Method 8021 - Quality Control**
**Cardinal Laboratories**

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

**Batch 9051307 - Volatiles**
**LCS (9051307-BS1)**

Prepared: 13-May-19 Analyzed: 15-May-19

|                                              |               |       |       |              |  |             |                 |  |  |  |
|----------------------------------------------|---------------|-------|-------|--------------|--|-------------|-----------------|--|--|--|
| Benzene                                      | 1.86          | 0.050 | mg/kg | 2.00         |  | 93.0        | 72.2-131        |  |  |  |
| Toluene                                      | 2.00          | 0.050 | mg/kg | 2.00         |  | 100         | 71.7-126        |  |  |  |
| Ethylbenzene                                 | 1.92          | 0.050 | mg/kg | 2.00         |  | 96.2        | 68.9-126        |  |  |  |
| Total Xylenes                                | 5.84          | 0.150 | mg/kg | 6.00         |  | 97.4        | 71.4-125        |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.0941</i> |       | mg/kg | <i>0.100</i> |  | <i>94.1</i> | <i>73.3-129</i> |  |  |  |

**LCS Dup (9051307-BSD1)**

Prepared: 13-May-19 Analyzed: 16-May-19

|                                              |               |       |       |              |  |             |                 |       |      |  |
|----------------------------------------------|---------------|-------|-------|--------------|--|-------------|-----------------|-------|------|--|
| Benzene                                      | 1.88          | 0.050 | mg/kg | 2.00         |  | 93.9        | 72.2-131        | 0.927 | 6.91 |  |
| Toluene                                      | 2.00          | 0.050 | mg/kg | 2.00         |  | 99.8        | 71.7-126        | 0.186 | 7.12 |  |
| Ethylbenzene                                 | 1.95          | 0.050 | mg/kg | 2.00         |  | 97.3        | 68.9-126        | 1.09  | 7.88 |  |
| Total Xylenes                                | 5.87          | 0.150 | mg/kg | 6.00         |  | 97.9        | 71.4-125        | 0.479 | 7.46 |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.0935</i> |       | mg/kg | <i>0.100</i> |  | <i>93.5</i> | <i>73.3-129</i> |       |      |  |

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 P.O. Box 301  
 Lovington NM, 88260

 Project: JALAPENO RP #1  
 Project Number: NOT GIVEN  
 Project Manager: ROBBIE RUNNELS  
 Fax To: (575) 396-1429

 Reported:  
 22-May-19 17:38

**Petroleum Hydrocarbons by GC FID - Quality Control**
**Cardinal Laboratories**

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

**Batch 9051407 - General Prep - Organics**
**Blank (9051407-BLK1)**

Prepared: 14-May-19 Analyzed: 15-May-19

|                                      |      |      |       |      |  |     |          |  |  |  |
|--------------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10                           | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| DRO >C10-C28                         | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| EXT DRO >C28-C36                     | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| <i>Surrogate: 1-Chlorooctane</i>     | 51.7 |      | mg/kg | 50.0 |  | 103 | 41-142   |  |  |  |
| <i>Surrogate: 1-Chlorooctadecane</i> | 55.2 |      | mg/kg | 50.0 |  | 110 | 37.6-147 |  |  |  |

**LCS (9051407-BS1)**

Prepared: 14-May-19 Analyzed: 15-May-19

|                                      |      |      |       |      |  |     |          |  |  |  |
|--------------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10                           | 234  | 10.0 | mg/kg | 200  |  | 117 | 76.5-133 |  |  |  |
| DRO >C10-C28                         | 248  | 10.0 | mg/kg | 200  |  | 124 | 72.9-138 |  |  |  |
| Total TPH C6-C28                     | 482  | 10.0 | mg/kg | 400  |  | 120 | 78-132   |  |  |  |
| <i>Surrogate: 1-Chlorooctane</i>     | 61.9 |      | mg/kg | 50.0 |  | 124 | 41-142   |  |  |  |
| <i>Surrogate: 1-Chlorooctadecane</i> | 60.4 |      | mg/kg | 50.0 |  | 121 | 37.6-147 |  |  |  |

**LCS Dup (9051407-BSD1)**

Prepared: 14-May-19 Analyzed: 15-May-19

|                                      |      |      |       |      |  |     |          |      |      |  |
|--------------------------------------|------|------|-------|------|--|-----|----------|------|------|--|
| GRO C6-C10                           | 222  | 10.0 | mg/kg | 200  |  | 111 | 76.5-133 | 4.96 | 20.6 |  |
| DRO >C10-C28                         | 236  | 10.0 | mg/kg | 200  |  | 118 | 72.9-138 | 4.95 | 20.6 |  |
| Total TPH C6-C28                     | 458  | 10.0 | mg/kg | 400  |  | 115 | 78-132   | 4.96 | 18   |  |
| <i>Surrogate: 1-Chlorooctane</i>     | 57.7 |      | mg/kg | 50.0 |  | 115 | 41-142   |      |      |  |
| <i>Surrogate: 1-Chlorooctadecane</i> | 56.1 |      | mg/kg | 50.0 |  | 112 | 37.6-147 |      |      |  |

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Etech Environmental & Safety Solutions, Inc. P.O. #:   
 Project Manager: Robbie Runnels Company:   
 Address: P.O. Box 301 State: NM Zip: 88260 Attn:   
 City: Lovington Address:   
 Phone #: (575) 396-2378 Fax #: (575) 396-1429 City:   
 Project #: Project Owner: Goodnight Midstream State: Zip:   
 Project Name: Jalapeno RP #1   
 Project Location: Lea Phone #:   
 Sampler Name: Catalina Villa Fax #:   
 FOR LAB USE ONLY

| Lab I.D. | Sample I.D. *              | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |         | PRESERV. | SAMPLING | DATE   | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|----------|----------------------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|----------|----------|--------|------|----------|-------------|--------------|
|          |                            |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : |          |          |        |      |          |             |              |
| 1        | North Wall 3               | c                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:07 | X        | X           | X            |
| 2        | South Wall East 1          | c                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:08 | X        | X           | X            |
| 3        | East Wall 4                | c                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:13 | X        | X           | X            |
| 4        | West Wall 1 - South Wall 1 | c                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:19 | X        | X           | X            |
| 5        | West Wall 2 - South Wall 2 | c                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:22 | X        | X           | X            |
| 6        | West Wall 3 - I            | c                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:26 | X        | X           | X            |
| 7        | West Wall 4                | c                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:30 | X        | X           | X            |
| 8        | Floor 9 @ 20'              | g                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:33 | X        | X           | X            |
| 9        | Floor 14 @ 20'             | g                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:35 | X        | X           | X            |
| 10       | South Wall 4               | c                 | 1            | X           |            |      |     |        |         |          |          | 5/8/19 | 9:42 | X        | X           | X            |

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Relinquished By: *[Signature]* Date: 5/9/19 Received By: *[Signature]* Date: 5/9/19  
 Time: 14:09  
 Relinquished By: *[Signature]* Date: Received By: *[Signature]*  
 Time:   
 Delivered By: (Circle One)   
 Sampler - UPS - Bus - Other: 5.00c / #97  
 Sample Condition:  Intact  Cool  Yes  No  Yes  No  
 CHECKED BY: *[Signature]*  
 Phone Result:  Yes  No Add'l Phone #:   
 Fax Result:  Yes  No Add'l Fax #:   
 REMARKS: \* Sample IDs revised as per Robbie. 5/22/19  
 Please email results to pm@etechenv.com



May 17, 2019

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: JALAPENO RP #1

Enclosed are the results of analyses for samples received by the laboratory on 05/09/19 14:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |               |
|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: NORTH WALL 3 (H901706-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |        |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 1.89 | 94.4       | 2.00          | 0.0910 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 2.00 | 99.8       | 2.00          | 1.86   |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/15/2019 | ND              | 1.91 | 95.3       | 2.00          | 0.892  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/15/2019 | ND              | 5.75 | 95.8       | 6.00          | 1.40   |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/15/2019 | ND              |      |            |               |        |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>      | <b>224</b> | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 89.9 % 41-142

Surrogate: 1-Chlorooctadecane 91.7 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |               |
|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: SOUTH WALL EAST 1 (H901706-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 1.89 | 94.4       | 2.00          | 0.0910 |           |
| Toluene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 2.00 | 99.8       | 2.00          | 1.86   |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/15/2019 | ND              | 1.91 | 95.3       | 2.00          | 0.892  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/15/2019 | ND              | 5.75 | 95.8       | 6.00          | 1.40   |           |
| Total BTEX     | <0.300 | 0.300           | 05/15/2019 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 73.3-129

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>96.0</b> | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.7 % 41-142

Surrogate: 1-Chlorooctadecane 86.2 % 37.6-147

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\*=Accredited Analyte

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**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |               |
|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: EAST WALL 4 (H901706-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 1.89 | 94.4       | 2.00          | 0.0910 |           |
| Toluene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 2.00 | 99.8       | 2.00          | 1.86   |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/15/2019 | ND              | 1.91 | 95.3       | 2.00          | 0.892  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/15/2019 | ND              | 5.75 | 95.8       | 6.00          | 1.40   |           |
| Total BTEX     | <0.300 | 0.300           | 05/15/2019 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 432    | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.6 % 41-142

Surrogate: 1-Chlorooctadecane 86.0 % 37.6-147

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|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: WEST WALL 1 (H901706-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 1.89 | 94.4       | 2.00          | 0.0910 |           |
| Toluene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 2.00 | 99.8       | 2.00          | 1.86   |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/15/2019 | ND              | 1.91 | 95.3       | 2.00          | 0.892  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/15/2019 | ND              | 5.75 | 95.8       | 6.00          | 1.40   |           |
| Total BTEX     | <0.300 | 0.300           | 05/15/2019 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>192</b> | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 83.8 % 37.6-147

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|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: WEST WALL 2 (H901706-05)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 1.89 | 94.4       | 2.00          | 0.0910 |           |
| Toluene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 2.00 | 99.8       | 2.00          | 1.86   |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/15/2019 | ND              | 1.91 | 95.3       | 2.00          | 0.892  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/15/2019 | ND              | 5.75 | 95.8       | 6.00          | 1.40   |           |
| Total BTEX     | <0.300 | 0.300           | 05/15/2019 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.2 % 41-142

Surrogate: 1-Chlorooctadecane 91.6 % 37.6-147

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|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: WEST WALL 3 (H901706-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 1.89 | 94.4       | 2.00          | 0.0910 |           |
| Toluene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 2.00 | 99.8       | 2.00          | 1.86   |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/15/2019 | ND              | 1.91 | 95.3       | 2.00          | 0.892  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/15/2019 | ND              | 5.75 | 95.8       | 6.00          | 1.40   |           |
| Total BTEX     | <0.300 | 0.300           | 05/15/2019 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>112</b> | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 91.2 % 37.6-147

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|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: WEST WALL 4 (H901706-07)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 1.89 | 94.4       | 2.00          | 0.0910 |           |
| Toluene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 2.00 | 99.8       | 2.00          | 1.86   |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/15/2019 | ND              | 1.91 | 95.3       | 2.00          | 0.892  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/15/2019 | ND              | 5.75 | 95.8       | 6.00          | 1.40   |           |
| Total BTEX     | <0.300 | 0.300           | 05/15/2019 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.4 % 41-142

Surrogate: 1-Chlorooctadecane 84.2 % 37.6-147

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|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: FLOOR 9 @ 20' (H901706-08)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 1.89 | 94.4       | 2.00          | 0.0910 |           |
| Toluene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 2.00 | 99.8       | 2.00          | 1.86   |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/15/2019 | ND              | 1.91 | 95.3       | 2.00          | 0.892  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/15/2019 | ND              | 5.75 | 95.8       | 6.00          | 1.40   |           |
| Total BTEX     | <0.300 | 0.300           | 05/15/2019 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.0 % 41-142

Surrogate: 1-Chlorooctadecane 88.2 % 37.6-147

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|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: FLOOR 14 @ 20' (H901706-09)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 1.89 | 94.4       | 2.00          | 0.0910 |           |
| Toluene*       | <0.050 | 0.050           | 05/15/2019 | ND              | 2.00 | 99.8       | 2.00          | 1.86   |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/15/2019 | ND              | 1.91 | 95.3       | 2.00          | 0.892  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/15/2019 | ND              | 5.75 | 95.8       | 6.00          | 1.40   |           |
| Total BTEX     | <0.300 | 0.300           | 05/15/2019 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 73.3-129

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>80.0</b> | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 92.5 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |               |
|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/09/2019                      | Sampling Date:      | 05/08/2019    |
| Reported:         | 05/17/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: SOUTH WALL 4 (H901706-10)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/16/2019 | ND              | 1.86 | 93.0       | 2.00          | 0.927 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/16/2019 | ND              | 2.00 | 100        | 2.00          | 0.186 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/16/2019 | ND              | 1.92 | 96.2       | 2.00          | 1.09  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/16/2019 | ND              | 5.84 | 97.4       | 6.00          | 0.479 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/16/2019 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 05/17/2019 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 05/15/2019 | ND              | 234 | 117        | 200           | 4.96 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/15/2019 | ND              | 248 | 124        | 200           | 4.95 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/15/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 78.9 % 41-142

Surrogate: 1-Chlorooctadecane 81.1 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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



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Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Robbie Runnels

Address: P.O. Box 301

City: Lovington

Phone #: (575) 396-2378

Project #: [Blank]

Project Name: Jalapeno RP #1

Project Location: Lea

Sampler Name: Catalina Villa

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

PRESERV:

ICE / COOL

OTHER:

DATE

TIME

Chloride

TPH (8015M)

BTEX (8021B)

MATRIX

SAMPLING

Lab I.D. Sample I.D.  
 HPODTEK

| Lab I.D. | Sample I.D.       | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | DATE   | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|----------|-------------------|-------------------|--------------|-------------|------------|------|-----|--------|--------|------------|------------|--------|--------|------|----------|-------------|--------------|
| 1        | North Wall 3      | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:07 | X        | X           | X            |
| 2        | South Wall East 1 | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:08 | X        | X           | X            |
| 3        | East Wall 4       | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:13 | X        | X           | X            |
| 4        | West Wall 1       | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:19 | X        | X           | X            |
| 5        | West Wall 2       | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:22 | X        | X           | X            |
| 6        | West Wall 3       | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:26 | X        | X           | X            |
| 7        | West Wall 4       | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:30 | X        | X           | X            |
| 8        | Floor 9 @ 20'     | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:33 | X        | X           | X            |
| 9        | Floor 14 @ 20'    | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:35 | X        | X           | X            |
| 10       | South Wall 4      | C                 | 1            | X           |            |      |     |        |        |            |            |        | 5/8/19 | 9:42 | X        | X           | X            |

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Relinquished By: [Signature]

Date: 5/9/19

Time: 1:00

Received By: [Signature]

Date: [Blank]

Time: [Blank]

Relinquished By: [Signature]

Date: [Blank]

Time: [Blank]

Received By: [Signature]

Date: [Blank]

Time: [Blank]

Delivered By: (Circle One)

UPS - Bus - Other: 5.02c / #47

Sample Condition

Cool Intact  
 Yes  No

CHECKED BY: [Signature]

Phone Result:  Yes  No

Fax Result:  Yes  No

REMARKS: Please email results to pm@etechnv.com

FORM-006

Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

May 02, 2019

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: JALAPENO BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/01/19 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |               |
|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 05/01/2019                      | Sampling Date:      | 05/01/2019    |
| Reported:         | 05/02/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO BATTERY                | Sampling Condition: | Cool & Intact |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: FLOOR 10 @ 18' (H901574-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/02/2019 | ND              | 1.92 | 95.8       | 2.00          | 1.20  |           |  |
| Toluene*       | <0.050 | 0.050           | 05/02/2019 | ND              | 2.02 | 101        | 2.00          | 0.166 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/02/2019 | ND              | 1.95 | 97.5       | 2.00          | 1.10  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/02/2019 | ND              | 6.00 | 100        | 6.00          | 1.79  |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/02/2019 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 05/02/2019 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 05/02/2019 | ND              | 199 | 99.7       | 200           | 7.41 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/02/2019 | ND              | 188 | 93.9       | 200           | 3.70 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/02/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 93.7 % 41-142

Surrogate: 1-Chlorooctadecane 92.2 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

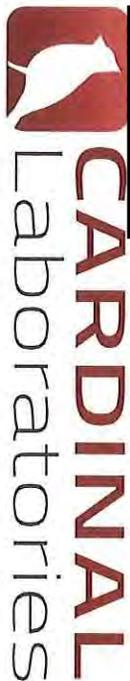
**Notes and Definitions**

|     |                                                                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                           |
| RPD | Relative Percent Difference                                                                                                                                    |
| **  | Samples not received at proper temperature of 6°C or below.                                                                                                    |
| *** | Insufficient time to reach temperature.                                                                                                                        |
| -   | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |



---

Celey D. Keene, Lab Director/Quality Manager



RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: ~~Sheet~~ Goodnight Midstream

**BILL TO**

ANALYSIS REQUEST

Project Manager:

P.O. #:

Address:

Company:

City:

State:

Zip:

Attn:

Phone #:

Fax #:

Project Owner:

Address:

Project #:

Project Owner:

City:

Project Name:

Salerno Battery

State:

Zip:

Project Location:

Phone #:

Sampler Name:

Hidalva

Fax #:

FOR LAB USE ONLY

MATRIX

PRESERV.

SAMPLING

Lab I.D.

Sample I.D.

H921574

1 Floor 10 @ 181

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

G

1

1

1

1

1

1

1

1

1

1

5-1

10:00

D  
BEST  
Tpk

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date:

Received By:

Checked By:

Phone Result:

Fax Result:

Add'l Phone #:

Relinquished By:

Date:

Received By:

Checked By:

REMARKS:

pm ectadunc con

Time:

Time:

Time:

Time:

Time:

Delivered By: (Circle One)

3:30 / #97

Sample Condition  
 Cool  
 Intact  
 Yes  
 No

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

3:30 / #97

Sample Condition  
 Cool  
 Intact  
 Yes  
 No

CHECKED BY: (Initials)

April 30, 2019

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: JALAPENO RP #1

Enclosed are the results of analyses for samples received by the laboratory on 04/24/19 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/24/2019                      | Sampling Date:      | 04/23/2019     |
| Reported:         | 04/30/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: NORTH FLOOR 1 (H901480-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 1.84 | 92.0       | 2.00          | 4.09  |           |  |
| Toluene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 1.84 | 91.8       | 2.00          | 0.148 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 04/25/2019 | ND              | 1.82 | 90.9       | 2.00          | 2.82  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 04/25/2019 | ND              | 5.23 | 87.2       | 6.00          | 3.03  |           |  |
| Total BTEX     | <0.300 | 0.300           | 04/25/2019 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>      | <b>144</b> | 16.0            | 04/30/2019 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 04/25/2019 | ND              | 167 | 83.5       | 200           | 9.33 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/25/2019 | ND              | 185 | 92.3       | 200           | 8.85 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/25/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 90.3 % 41-142

Surrogate: 1-Chlorooctadecane 99.2 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/24/2019                      | Sampling Date:      | 04/23/2019     |
| Reported:         | 04/30/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: SOUTH FLOOR 1 (H901480-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 1.84 | 92.0       | 2.00          | 4.09  |           |  |
| Toluene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 1.84 | 91.8       | 2.00          | 0.148 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 04/25/2019 | ND              | 1.82 | 90.9       | 2.00          | 2.82  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 04/25/2019 | ND              | 5.23 | 87.2       | 6.00          | 3.03  |           |  |
| Total BTEX     | <0.300 | 0.300           | 04/25/2019 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 88.8 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>      | <b>176</b> | 16.0            | 04/30/2019 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 04/25/2019 | ND              | 167 | 83.5       | 200           | 9.33 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/25/2019 | ND              | 185 | 92.3       | 200           | 8.85 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/25/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 95.0 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/24/2019                      | Sampling Date:      | 04/23/2019     |
| Reported:         | 04/30/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: NORTH FLOOR 2 (H901480-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 1.94 | 97.2       | 2.00          | 1.92 |           |  |
| Toluene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 2.07 | 103        | 2.00          | 1.23 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 04/25/2019 | ND              | 2.00 | 100        | 2.00          | 2.90 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 04/25/2019 | ND              | 6.02 | 100        | 6.00          | 2.76 |           |  |
| Total BTEX     | <0.300 | 0.300           | 04/25/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 128    | 16.0            | 04/30/2019 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 04/25/2019 | ND              | 167 | 83.5       | 200           | 9.33 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/25/2019 | ND              | 185 | 92.3       | 200           | 8.85 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/25/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 92.1 % 41-142

Surrogate: 1-Chlorooctadecane 98.9 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/24/2019                      | Sampling Date:      | 04/23/2019     |
| Reported:         | 04/30/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: SOUTH FLOOR 2 (H901480-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 1.94 | 97.2       | 2.00          | 1.92 |           |  |
| Toluene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 2.07 | 103        | 2.00          | 1.23 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 04/25/2019 | ND              | 2.00 | 100        | 2.00          | 2.90 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 04/25/2019 | ND              | 6.02 | 100        | 6.00          | 2.76 |           |  |
| Total BTEX     | <0.300 | 0.300           | 04/25/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 128    | 16.0            | 04/30/2019 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 04/25/2019 | ND              | 167 | 83.5       | 200           | 9.33 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/25/2019 | ND              | 185 | 92.3       | 200           | 8.85 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/25/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 93.8 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/24/2019                      | Sampling Date:      | 04/23/2019     |
| Reported:         | 04/30/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: SP 5 @ 45' (H901480-05)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 1.94 | 97.2       | 2.00          | 1.92 |           |  |
| Toluene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 2.07 | 103        | 2.00          | 1.23 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 04/25/2019 | ND              | 2.00 | 100        | 2.00          | 2.90 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 04/25/2019 | ND              | 6.02 | 100        | 6.00          | 2.76 |           |  |
| Total BTEX     | <0.300 | 0.300           | 04/25/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 73.3-129

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>      | <b>80.0</b> | 16.0            | 04/30/2019 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 04/25/2019 | ND              | 167 | 83.5       | 200           | 9.33 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/25/2019 | ND              | 185 | 92.3       | 200           | 8.85 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/25/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 97.4 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/24/2019                      | Sampling Date:      | 04/23/2019     |
| Reported:         | 04/30/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP #1                  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                       | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: SP 3 @ 55' (H901480-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 1.94 | 97.2       | 2.00          | 1.92 |           |
| Toluene*       | <0.050 | 0.050           | 04/25/2019 | ND              | 2.07 | 103        | 2.00          | 1.23 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/25/2019 | ND              | 2.00 | 100        | 2.00          | 2.90 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/25/2019 | ND              | 6.02 | 100        | 6.00          | 2.76 |           |
| Total BTEX     | <0.300 | 0.300           | 04/25/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 04/30/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 04/25/2019 | ND              | 167 | 83.5       | 200           | 9.33 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/25/2019 | ND              | 185 | 92.3       | 200           | 8.85 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/25/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 98.9 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND          Analyte NOT DETECTED at or above the reporting limit
- RPD        Relative Percent Difference
- \*\*          Samples not received at proper temperature of 6°C or below.
- \*\*\*        Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report



---

Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Company Name: Etch Environmental & Safety Solutions, Inc.  
Project Manager: Robbie Runnels  
Address: P.O. Box 301  
City: Lovington State: NM Zip: 88260  
Phone #: (575) 396-2378 Fax #: (575) 396-1429  
Project #: Project Owner: Goodnight Midstream  
Project Name: Jalapeno RP #1  
Project Location: Lea  
Sampler Name: Catalina Villa

FOR LAB USE ONLY  
Lab I.D. Sample I.D.  
H90148D

| Lab I.D. | Sample I.D.   | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |         | DATE    | TIME  | Chloride | TPH (8015M) | BTEX (8021B) |
|----------|---------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|---------|-------|----------|-------------|--------------|
|          |               |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : |         |       |          |             |              |
| 1        | North Floor 1 | g                 | 1            | X           |            |      |     |        |         | 4/23/19 | 9:32  | X        | X           | X            |
| 2        | South Floor 1 | g                 | 1            | X           |            |      |     |        |         | 4/23/19 | 10:29 | X        | X           | X            |
| 3        | North Floor 2 | g                 | 1            | X           |            |      |     |        |         | 4/23/19 | 11:20 | X        | X           | X            |
| 4        | South Floor 2 | g                 | 1            | X           |            |      |     |        |         | 4/23/19 | 11:14 | X        | X           | X            |
| 5        | SP 5 @ 45'    | g                 | 1            | X           |            |      |     |        |         | 4/23/19 | 14:27 | X        | X           | X            |
| 6        | SP 3 @ 55'    | g                 | 1            | X           |            |      |     |        |         | 4/23/19 | 14:30 | X        | X           | X            |

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Relinquished By: [Signature] Date: 4-24-19  
Received By: [Signature] Date: 2:10

Delivered By: (Circle One) UPS - Bus - Other: 39c #97

Sample Condition Cool Intact Yes Yes No No

CHECKED BY: (Initials) [Signature]

REMARKS: Please email results to pm@etechnv.com

April 15, 2019

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: JALAPENO RP

Enclosed are the results of analyses for samples received by the laboratory on 04/10/19 16:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/10/2019                      | Sampling Date:      | 04/08/2019     |
| Reported:         | 04/15/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: WEST WALL 3 (H901327-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 2.09 | 105        | 2.00          | 1.12  |           |  |
| Toluene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 1.95 | 97.7       | 2.00          | 1.82  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 04/11/2019 | ND              | 2.04 | 102        | 2.00          | 0.286 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 04/11/2019 | ND              | 6.22 | 104        | 6.00          | 0.448 |           |  |
| Total BTEX     | <0.300 | 0.300           | 04/11/2019 | ND              |      |            |               |       |           |  |

*Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 73.3-129*

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>      | <b>384</b> | 16.0            | 04/12/2019 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 04/11/2019 | ND              | 210 | 105        | 200           | 6.01 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/11/2019 | ND              | 195 | 97.6       | 200           | 15.5 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/11/2019 | ND              |     |            |               |      |           |  |

*Surrogate: 1-Chlorooctane 101 % 41-142*
*Surrogate: 1-Chlorooctadecane 97.6 % 37.6-147*

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**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/10/2019                      | Sampling Date:      | 04/08/2019     |
| Reported:         | 04/15/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: WEST WALL 2 (H901327-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 2.09 | 105        | 2.00          | 1.12  |           |
| Toluene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 1.95 | 97.7       | 2.00          | 1.82  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/11/2019 | ND              | 2.04 | 102        | 2.00          | 0.286 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/11/2019 | ND              | 6.22 | 104        | 6.00          | 0.448 |           |
| Total BTEX     | <0.300 | 0.300           | 04/11/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 320    | 16.0            | 04/12/2019 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 04/11/2019 | ND              | 210 | 105        | 200           | 6.01 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/11/2019 | ND              | 195 | 97.6       | 200           | 15.5 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/11/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.7 % 41-142

Surrogate: 1-Chlorooctadecane 88.0 % 37.6-147

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|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/10/2019                      | Sampling Date:      | 04/08/2019     |
| Reported:         | 04/15/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: WEST WALL 1 (H901327-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 2.09 | 105        | 2.00          | 1.12  |           |
| Toluene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 1.95 | 97.7       | 2.00          | 1.82  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/11/2019 | ND              | 2.04 | 102        | 2.00          | 0.286 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/11/2019 | ND              | 6.22 | 104        | 6.00          | 0.448 |           |
| Total BTEX     | <0.300 | 0.300           | 04/11/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 304    | 16.0            | 04/12/2019 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 04/11/2019 | ND              | 210 | 105        | 200           | 6.01 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/11/2019 | ND              | 195 | 97.6       | 200           | 15.5 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/11/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.4 % 41-142

Surrogate: 1-Chlorooctadecane 75.5 % 37.6-147

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|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/10/2019                      | Sampling Date:      | 04/08/2019     |
| Reported:         | 04/15/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: FLOOR 2 (H901327-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 2.09 | 105        | 2.00          | 1.12  |           |
| Toluene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 1.95 | 97.7       | 2.00          | 1.82  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/11/2019 | ND              | 2.04 | 102        | 2.00          | 0.286 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/11/2019 | ND              | 6.22 | 104        | 6.00          | 0.448 |           |
| Total BTEX     | <0.300 | 0.300           | 04/11/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>144</b> | 16.0            | 04/12/2019 | ND              | 416 | 104        | 400           | 10.9 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 04/11/2019 | ND              | 210 | 105        | 200           | 6.01 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/11/2019 | ND              | 195 | 97.6       | 200           | 15.5 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/11/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.8 % 41-142

Surrogate: 1-Chlorooctadecane 78.7 % 37.6-147

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|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/10/2019                      | Sampling Date:      | 04/08/2019     |
| Reported:         | 04/15/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: NORTH WALL 2 (H901327-05)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 2.09 | 105        | 2.00          | 1.12  |           |  |
| Toluene*       | <0.050 | 0.050           | 04/11/2019 | ND              | 1.95 | 97.7       | 2.00          | 1.82  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 04/11/2019 | ND              | 2.04 | 102        | 2.00          | 0.286 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 04/11/2019 | ND              | 6.22 | 104        | 6.00          | 0.448 |           |  |
| Total BTEX     | <0.300 | 0.300           | 04/11/2019 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>      | <b>160</b> | 16.0            | 04/12/2019 | ND              | 416 | 104        | 400           | 10.9 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 04/11/2019 | ND              | 210 | 105        | 200           | 6.01 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/11/2019 | ND              | 195 | 97.6       | 200           | 15.5 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/11/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 89.2 % 41-142

Surrogate: 1-Chlorooctadecane 84.3 % 37.6-147

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|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/10/2019                      | Sampling Date:      | 04/09/2019     |
| Reported:         | 04/15/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: SOUTH WALL WEST 1 (H901327-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/12/2019 | ND              | 2.09 | 105        | 2.00          | 1.12  |           |
| Toluene*       | <0.050 | 0.050           | 04/12/2019 | ND              | 1.95 | 97.7       | 2.00          | 1.82  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/12/2019 | ND              | 2.04 | 102        | 2.00          | 0.286 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/12/2019 | ND              | 6.22 | 104        | 6.00          | 0.448 |           |
| Total BTEX     | <0.300 | 0.300           | 04/12/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>640</b> | 16.0            | 04/12/2019 | ND              | 416 | 104        | 400           | 10.9 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 04/11/2019 | ND              | 210 | 105        | 200           | 6.01 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/11/2019 | ND              | 195 | 97.6       | 200           | 15.5 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/11/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.2 % 41-142

Surrogate: 1-Chlorooctadecane 87.6 % 37.6-147

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|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 04/10/2019                      | Sampling Date:      | 04/09/2019     |
| Reported:         | 04/15/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: NORTH WALL 1 (H901327-07)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 04/12/2019 | ND              | 2.09 | 105        | 2.00          | 1.12  |           |
| Toluene*       | <0.050 | 0.050           | 04/12/2019 | ND              | 1.95 | 97.7       | 2.00          | 1.82  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 04/12/2019 | ND              | 2.04 | 102        | 2.00          | 0.286 |           |
| Total Xylenes* | <0.150 | 0.150           | 04/12/2019 | ND              | 6.22 | 104        | 6.00          | 0.448 |           |
| Total BTEX     | <0.300 | 0.300           | 04/12/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 192    | 16.0            | 04/12/2019 | ND              | 416 | 104        | 400           | 10.9 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 04/15/2019 | ND              | 210 | 105        | 200           | 6.01 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 04/15/2019 | ND              | 195 | 97.6       | 200           | 15.5 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 04/15/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.4 % 41-142

Surrogate: 1-Chlorooctadecane 87.8 % 37.6-147

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**Notes and Definitions**

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

**Company Name:** Etech Environmental & Safety Solutions, Inc.  
**Project Manager:** Robbie Runnels  
**Address:** P.O. Box 301  
**City:** Lovington **State:** NM **Zip:** 88260  
**Phone #:** (575) 396-2378 **Fax #:** (575) 396-1429  
**Project #:** **Project Owner:** Goodnight Midstream  
**Project Name:** Jalapeno RP  
**Project Location:** Lea  
**Sampler Name:** Catalina Villa

**P.O. #:** **Company:**  
**Attn:** **Address:**  
**City:** **State:** **Zip:**  
**Phone #:** **Fax #:**

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |         | PRESERV | SAMPLING | DATE  | TIME | Chloride   |            | TPH (8015M) |     | BTEX (8021B) |     |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|---------|----------|-------|------|------------|------------|-------------|-----|--------------|-----|
|          |             |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : |         |          |       |      | ACID/BASE: | ICE / COOL | OTHER :     | Yes | No           | Yes |
| H901327  | 1           | 0                 | 1            | X           |            |      |     |        |         |         | 4/8/19   | 10:03 | X    | X          | X          | X           |     |              |     |
|          | 2           | 0                 | 1            | X           |            |      |     |        |         |         | 4/8/19   | 10:19 | X    | X          | X          | X           |     |              |     |
|          | 3           | 0                 | 1            | X           |            |      |     |        |         |         | 4/8/19   | 11:55 | X    | X          | X          | X           |     |              |     |
|          | 4           | 0                 | 1            | X           |            |      |     |        |         |         | 4/8/19   | 13:00 | X    | X          | X          | X           |     |              |     |
|          | 5           | 0                 | 1            | X           |            |      |     |        |         |         | 4/8/19   | 14:03 | X    | X          | X          | X           |     |              |     |
|          | 6           | 0                 | 1            | X           |            |      |     |        |         |         | 4/9/19   | 9:58  | X    | X          | X          | X           |     |              |     |
|          | 7           | 0                 | 1            | X           |            |      |     |        |         |         | 4/9/19   | 11:41 | X    | X          | X          | X           |     |              |     |

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**Relinquished By:** *WAS* **Date:** 4/10/19 **Received By:** *Jenara Dabke*  
**Time:** 16:12  
**Date:** **Time:**  
**Relinquished By:** **Received By:**

**Delivered By: (Circle One)**  
 Sampler - UPS - Bus - Other: *5.92 #97*

**Sample Condition**  
 Cool  Intact   
 Yes  No   
**CHECKED BY:** *to.*

**REMARKS:**  
 Please email results to pm@etechny.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



April 01, 2019

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: JALAPENO RP

Enclosed are the results of analyses for samples received by the laboratory on 03/27/19 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 03/27/2019                      | Sampling Date:      | 03/26/2019     |
| Reported:         | 04/01/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: FLOOR 1 @ 12' (H901153-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.14 | 107        | 2.00          | 0.715 |           |  |
| Toluene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.02 | 101        | 2.00          | 2.09  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 03/29/2019 | ND              | 2.11 | 106        | 2.00          | 0.970 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 03/29/2019 | ND              | 6.49 | 108        | 6.00          | 1.09  |           |  |
| Total BTEX     | <0.300 | 0.300           | 03/29/2019 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 73.3-129

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>      | <b>48.0</b> | 16.0            | 03/29/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 03/28/2019 | ND              | 206 | 103        | 200           | 5.84 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/28/2019 | ND              | 184 | 92.0       | 200           | 15.9 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/28/2019 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 80.2 % 41-142

Surrogate: 1-Chlorooctadecane 77.8 % 37.6-147

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 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 03/27/2019                      | Sampling Date:      | 03/26/2019     |
| Reported:         | 04/01/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: FLOOR 4 @ 32' (H901153-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.14 | 107        | 2.00          | 0.715 |           |
| Toluene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.02 | 101        | 2.00          | 2.09  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/29/2019 | ND              | 2.11 | 106        | 2.00          | 0.970 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/29/2019 | ND              | 6.49 | 108        | 6.00          | 1.09  |           |
| Total BTEX     | <0.300 | 0.300           | 03/29/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>176</b> | 16.0            | 03/29/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/28/2019 | ND              | 206 | 103        | 200           | 5.84 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/28/2019 | ND              | 184 | 92.0       | 200           | 15.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/28/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 78.9 % 37.6-147

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 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 03/27/2019                      | Sampling Date:      | 03/26/2019     |
| Reported:         | 04/01/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: FLOOR 6 @ 14' (H901153-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.14 | 107        | 2.00          | 0.715 |           |
| Toluene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.02 | 101        | 2.00          | 2.09  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/29/2019 | ND              | 2.11 | 106        | 2.00          | 0.970 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/29/2019 | ND              | 6.49 | 108        | 6.00          | 1.09  |           |
| Total BTEX     | <0.300 | 0.300           | 03/29/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 73.3-129

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>64.0</b> | 16.0            | 03/29/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/28/2019 | ND              | 206 | 103        | 200           | 5.84 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/28/2019 | ND              | 184 | 92.0       | 200           | 15.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/28/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.6 % 41-142

Surrogate: 1-Chlorooctadecane 82.2 % 37.6-147

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 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 03/27/2019                      | Sampling Date:      | 03/26/2019     |
| Reported:         | 04/01/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: FLOOR 7 @ 26' (H901153-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.14 | 107        | 2.00          | 0.715 |           |
| Toluene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.02 | 101        | 2.00          | 2.09  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/29/2019 | ND              | 2.11 | 106        | 2.00          | 0.970 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/29/2019 | ND              | 6.49 | 108        | 6.00          | 1.09  |           |
| Total BTEX     | <0.300 | 0.300           | 03/29/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 73.3-129

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>224</b> | 16.0            | 03/29/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/28/2019 | ND              | 206 | 103        | 200           | 5.84 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/28/2019 | ND              | 184 | 92.0       | 200           | 15.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/28/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.0 % 41-142

Surrogate: 1-Chlorooctadecane 80.7 % 37.6-147

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 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 03/27/2019                      | Sampling Date:      | 03/26/2019     |
| Reported:         | 04/01/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: FLOOR 8 @ 15' (H901153-05)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.14 | 107        | 2.00          | 0.715 |           |
| Toluene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.02 | 101        | 2.00          | 2.09  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/29/2019 | ND              | 2.11 | 106        | 2.00          | 0.970 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/29/2019 | ND              | 6.49 | 108        | 6.00          | 1.09  |           |
| Total BTEX     | <0.300 | 0.300           | 03/29/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 73.3-129

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>96.0</b> | 16.0            | 03/29/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/28/2019 | ND              | 206 | 103        | 200           | 5.84 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/28/2019 | ND              | 184 | 92.0       | 200           | 15.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/28/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.8 % 41-142

Surrogate: 1-Chlorooctadecane 78.7 % 37.6-147

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|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 03/27/2019                      | Sampling Date:      | 03/26/2019     |
| Reported:         | 04/01/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: EAST WALL 1 (H901153-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.14 | 107        | 2.00          | 0.715 |           |
| Toluene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.02 | 101        | 2.00          | 2.09  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/29/2019 | ND              | 2.11 | 106        | 2.00          | 0.970 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/29/2019 | ND              | 6.49 | 108        | 6.00          | 1.09  |           |
| Total BTEX     | <0.300 | 0.300           | 03/29/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 73.3-129

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>160</b> | 16.0            | 03/29/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/29/2019 | ND              | 206 | 103        | 200           | 5.84 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/29/2019 | ND              | 184 | 92.0       | 200           | 15.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/29/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.5 % 41-142

Surrogate: 1-Chlorooctadecane 78.1 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 03/27/2019                      | Sampling Date:      | 03/26/2019     |
| Reported:         | 04/01/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: EAST WALL 2 (H901153-07)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.14 | 107        | 2.00          | 0.715 |           |
| Toluene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.02 | 101        | 2.00          | 2.09  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/29/2019 | ND              | 2.11 | 106        | 2.00          | 0.970 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/29/2019 | ND              | 6.49 | 108        | 6.00          | 1.09  |           |
| Total BTEX     | <0.300 | 0.300           | 03/29/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 03/29/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/29/2019 | ND              | 206 | 103        | 200           | 5.84 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/29/2019 | ND              | 184 | 92.0       | 200           | 15.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/29/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.5 % 41-142

Surrogate: 1-Chlorooctadecane 82.8 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |                |
|-------------------|---------------------------------|---------------------|----------------|
| Received:         | 03/27/2019                      | Sampling Date:      | 03/26/2019     |
| Reported:         | 04/01/2019                      | Sampling Type:      | Soil           |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                      | Sample Received By: | Tamara Oldaker |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |                |

**Sample ID: EAST WALL 3 (H901153-08)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.14 | 107        | 2.00          | 0.715 |           |
| Toluene*       | <0.050 | 0.050           | 03/29/2019 | ND              | 2.02 | 101        | 2.00          | 2.09  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/29/2019 | ND              | 2.11 | 106        | 2.00          | 0.970 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/29/2019 | ND              | 6.49 | 108        | 6.00          | 1.09  |           |
| Total BTEX     | <0.300 | 0.300           | 03/29/2019 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 73.3-129

| Chloride, SM4500Cl-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>96.0</b> | 16.0            | 03/29/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 03/29/2019 | ND              | 206 | 103        | 200           | 5.84 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 03/29/2019 | ND              | 184 | 92.0       | 200           | 15.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 03/29/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.4 % 41-142

Surrogate: 1-Chlorooctadecane 72.4 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

|     |                                                                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                           |
| RPD | Relative Percent Difference                                                                                                                                    |
| **  | Samples not received at proper temperature of 6°C or below.                                                                                                    |
| *** | Insufficient time to reach temperature.                                                                                                                        |
| -   | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |



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Celey D. Keene, Lab Director/Quality Manager





March 06, 2019

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: JALAPENO RP

Enclosed are the results of analyses for samples received by the laboratory on 02/28/19 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |               |
|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 02/28/2019                      | Sampling Date:      | 02/25/2019    |
| Reported:         | 03/06/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact |
| Project Number:   | 10209                           | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: N @ SURFACE (H900802-01)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 03/05/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: NE @ SURFACE (H900802-02)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>96.0</b> | 16.0            | 03/05/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: E @ SURFACE (H900802-03)**

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>192</b> | 16.0            | 03/05/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SE @ SURFACE (H900802-04)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>64.0</b> | 16.0            | 03/05/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Etech Environmental & Safety Solutions  
 ROBBIE RUNNELS  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

|                   |                                 |                     |               |
|-------------------|---------------------------------|---------------------|---------------|
| Received:         | 02/28/2019                      | Sampling Date:      | 02/25/2019    |
| Reported:         | 03/06/2019                      | Sampling Type:      | Soil          |
| Project Name:     | JALAPENO RP                     | Sampling Condition: | Cool & Intact |
| Project Number:   | 10209                           | Sample Received By: | Jodi Henson   |
| Project Location: | GOODNIGHT MIDSTREAM - LEA CO NM |                     |               |

**Sample ID: S @ SURFACE (H900802-05)**

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>112</b> | 16.0            | 03/05/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SW @ SURFACE (H900802-06)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>80.0</b> | 16.0            | 03/05/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: W @ SURFACE (H900802-07)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>32.0</b> | 16.0            | 03/05/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: NW @ SURFACE (H900802-08)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>32.0</b> | 16.0            | 03/05/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: C @ SURFACE (H900802-09)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>64.0</b> | 16.0            | 03/05/2019 | ND              | 400 | 100        | 400           | 0.00 |           |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**CARDINAL LABORATORIES**

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ettech Environmental & Safety Solutions, Inc.  
 Project Manager: Robbie Runnels  
 Address: P.O. Box 301  
 City: Lovington State: NM Zip: 88260  
 Phone #: (575)396-2378 Fax #: (575)396-1429  
 Project #: 10209 Project Owner: Goodnight Midstream  
 Project Name: Jalapeno RP  
 Project Location: Lea  
 Sampler Name: Robbie Runnels

|         |          |       |          |       |        |      |          |        |
|---------|----------|-------|----------|-------|--------|------|----------|--------|
| P.O. #: | Company: | Attn: | Address: | City: | State: | Zip: | Phone #: | Fax #: |
|         |          |       |          |       |        |      |          |        |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |         | PRESERV. | SAMPLING | DATE    | TIME  | Chloride | TPH (8015M) | BTEX (8021B) |  |  |  |  |  |  |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|----------|----------|---------|-------|----------|-------------|--------------|--|--|--|--|--|--|
|          |             |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : |          |          |         |       |          |             |              |  |  |  |  |  |  |
| H900802  |             |                   | 1            |             |            |      |     |        |         |          |          | 2/25/19 | 12:00 | X        |             |              |  |  |  |  |  |  |
|          | 1           | N @ Surface       | 9            | 1           |            | X    |     |        |         |          |          | 2/25/19 | 12:05 | X        |             |              |  |  |  |  |  |  |
|          | 2           | NE @ Surface      | 9            | 1           | X          |      |     |        |         |          |          | 2/25/19 | 12:10 | X        |             |              |  |  |  |  |  |  |
|          | 3           | E @ Surface       | 9            | 1           | X          |      |     |        |         |          |          | 2/25/19 | 12:15 | X        |             |              |  |  |  |  |  |  |
|          | 4           | SE @ Surface      | 9            | 1           | X          |      |     |        |         |          |          | 2/25/19 | 12:20 | X        |             |              |  |  |  |  |  |  |
|          | 5           | S @ Surface       | 9            | 1           | X          |      |     |        |         |          |          | 2/25/19 | 12:25 | X        |             |              |  |  |  |  |  |  |
|          | 6           | SW @ Surface      | 9            | 1           | X          |      |     |        |         |          |          | 2/25/19 | 12:30 | X        |             |              |  |  |  |  |  |  |
|          | 7           | W @ Surface       | 9            | 1           | X          |      |     |        |         |          |          | 2/25/19 | 12:35 | X        |             |              |  |  |  |  |  |  |
|          | 8           | NW @ Surface      | 9            | 1           | X          |      |     |        |         |          |          | 2/25/19 | 12:40 | X        |             |              |  |  |  |  |  |  |
|          | 9           | C @ Surface       | 9            | 1           | X          |      |     |        |         |          |          | 2/25/19 | 12:40 | X        |             |              |  |  |  |  |  |  |

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Relinquished By: *[Signature]*  
 Date: 2/24/19  
 Time: 10:57  
 Received By: *[Signature]*  
 Date: 2/25/19  
 Time: 11:50

Delivered By: (Circle One) **UPS** - Bus - Other: 3.102/#97  
 Sample Condition: Cool  Intact   
 Checked By: *[Signature]*  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: Please email results to pm@etechnv.com

ATTACHMENT IV  
NMOCD Form C-141

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

# INFORMATION ONLY

Energy Minerals and Natural

Resources Department

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

Signature Page  
Incomplete

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

|                |               |
|----------------|---------------|
| Incident ID    | NCH1903939966 |
| District RP    | 1RP-5354      |
| Facility ID    | fCH1903939717 |
| Application ID | pCH1903940370 |

## Release Notification

### Responsible Party

|                                                               |                   |                                              |
|---------------------------------------------------------------|-------------------|----------------------------------------------|
| Responsible Party Goodnight Midstream Permian, LLC            | OGRID             | 372311                                       |
| Contact Name Chris Calloura                                   | Contact Telephone | 432-202-3482                                 |
| Contact email Chris.calloura@goodnightmidstream.com           | Incident #        | NCH1903939966 JALAPENO RP @<br>FCH1903939717 |
| Contact mailing address 5910 N Central Expy, Dallas, TX 75206 |                   |                                              |

### Location of Release Source

Latitude 32.3712306 \_\_\_\_\_ Longitude -103.410122 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

|                                   |                             |
|-----------------------------------|-----------------------------|
| Site Name Jalapeno RP             | Site Type SWD               |
| Date Release Discovered 1/13/2019 | API# (if applicable)30-025- |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| N           | 19      | 22S      | 35E   | Lea    |

Surface Owner:  State  Federal  Tribal  Private (Name: Goodnight Midstream \_\_\_\_\_)

State Minerals

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|                                                    |                                                                                |                                                                     |
|----------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Crude Oil                 | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                             |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 17                                                      | Volume Recovered (bbls) 0                                           |
|                                                    | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                             |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)                                                          | Volume Recovered (Mcf)                                              |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)                                         | Volume/Weight Recovered (provide units)                             |

Cause of Release – The 12” inlet line was pressurized to a point of rupture. The release amount was based on the square footage (approximately 800 ft<sup>2</sup>) of impacted surface area and a proprietary saturation formula.

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

|                                                                                                                                       |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?                          |                                                                                      |

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.                                                                                                                                                                                                                                                                                               |
| If all the actions described above have <u>not</u> been undertaken, explain why:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.                                                                                                                                                                                                                                                                                                                                                                                      |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |
| Printed Name: <u>Robbie Runnels (Agent of Goodnight Midstream)</u> Title: <u>Project Manager</u><br>Signature:  Date: <u>1/15/2019</u><br>email: <u>robbie@etechenv.com</u> Telephone: <u>575-396-2378</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b><u>OCD Only</u></b><br><br>Received by: _____ Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department  
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| Incident ID    | NAB1911436921 |
| District RP    | 1RP-5438      |
| Facility ID    | fCH1903939717 |
| Application ID | pAB1911435915 |

## Release Notification

### Responsible Party

|                                                               |                                            |
|---------------------------------------------------------------|--------------------------------------------|
| Responsible Party Goodnight Midstream Permian, LLC            | OGRID                                      |
| Contact Name Chris Calloura                                   | Contact Telephone 432-202-3482             |
| Contact email Chris.calloura@goodnightmidstream.com           | Incident # (assigned by OCD) NAB1911436921 |
| Contact mailing address 5910 N Central Expy, Dallas, TX 75206 |                                            |

### Location of Release Source

Latitude 32.3712306 \_\_\_\_\_ Longitude -103.410122 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

|                                   |                             |
|-----------------------------------|-----------------------------|
| Site Name Jalapeno RP             | Site Type SWD               |
| Date Release Discovered 1/13/2019 | API# (if applicable)30-025- |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| N           | 19      | 22S      | 35E   | Lea    |

Surface Owner:  State  Federal  Tribal  Private (Name: Goodnight Midstream \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|                                                    |                                                                                |                                                                     |
|----------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Crude Oil                 | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                             |
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| <input type="checkbox"/> Condensate                | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                             |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)                                                          | Volume Recovered (Mcf)                                              |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)                                         | Volume/Weight Recovered (provide units)                             |

Cause of Release – The 12” inlet line was pressurized to a point of rupture. The release amount was based on the square footage (approximately 800 ft<sup>2</sup>) of impacted surface area and a proprietary saturation formula.

State of New Mexico  
Oil Conservation Division

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|                                                                                                                                       |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

- The source of the release has been stopped.
- The impacted area has been secured to protect human health and the environment.
- Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Michael Wilson Title: Foreman  
 Signature:  Date: 2/11/19  
 email: mwilson@goodrightmidstream.com Telephone: \_\_\_\_\_

**OCD Only**  
 Received by:  Date: 4/24/2019

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

|                                                                                                                                                                                                 |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release?                                                                                                           | <u>78.5</u> (ft bgs)                                                |
| Did this release impact groundwater or surface water?                                                                                                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?                                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?                                                                                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?                                                                                                                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?                                                                                                        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

State of New Mexico  
Oil Conservation Division

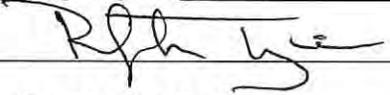
|                |  |
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If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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

Printed Name: Ralph Tijerina

Title: Director - EHS

Signature: 

Date: 5/31/15

email: rtijerina@goodnightmidstream.com

Telephone: 214-587-4964

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

|                |  |
|----------------|--|
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## Remediation Plan

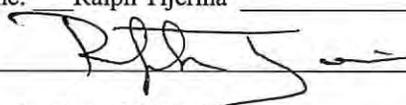
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Ralph Tijerina Title: Director - EHS  
 Signature:  Date: 5/31/19  
 email: \_rtijerina@goodnightmidstream.com Telephone: 214-587-4964

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

- Approved     
  Approved with Attached Conditions of Approval     
  Denied     
  Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
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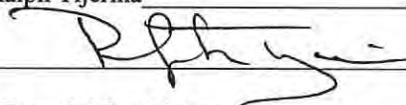
## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Ralph Tijerina Title: Director - EMS  
 Signature:  Date: 5/31/19  
 email: rtijerina@goodnightmidstream.com Telephone: 214-587-4964

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_