



3100 Plains Highway
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Lovington, New Mexico 88260
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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 $\frac{1}{4}$ of SW $\frac{1}{4}$), 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.

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 26th, 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.

Should you have any questions or concerns please feel free to contact me at (432) 813-1592 or via email at danield@etechenv.com or Mr. Ralph Tijerina at (214) 587-4964 or via email at 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.



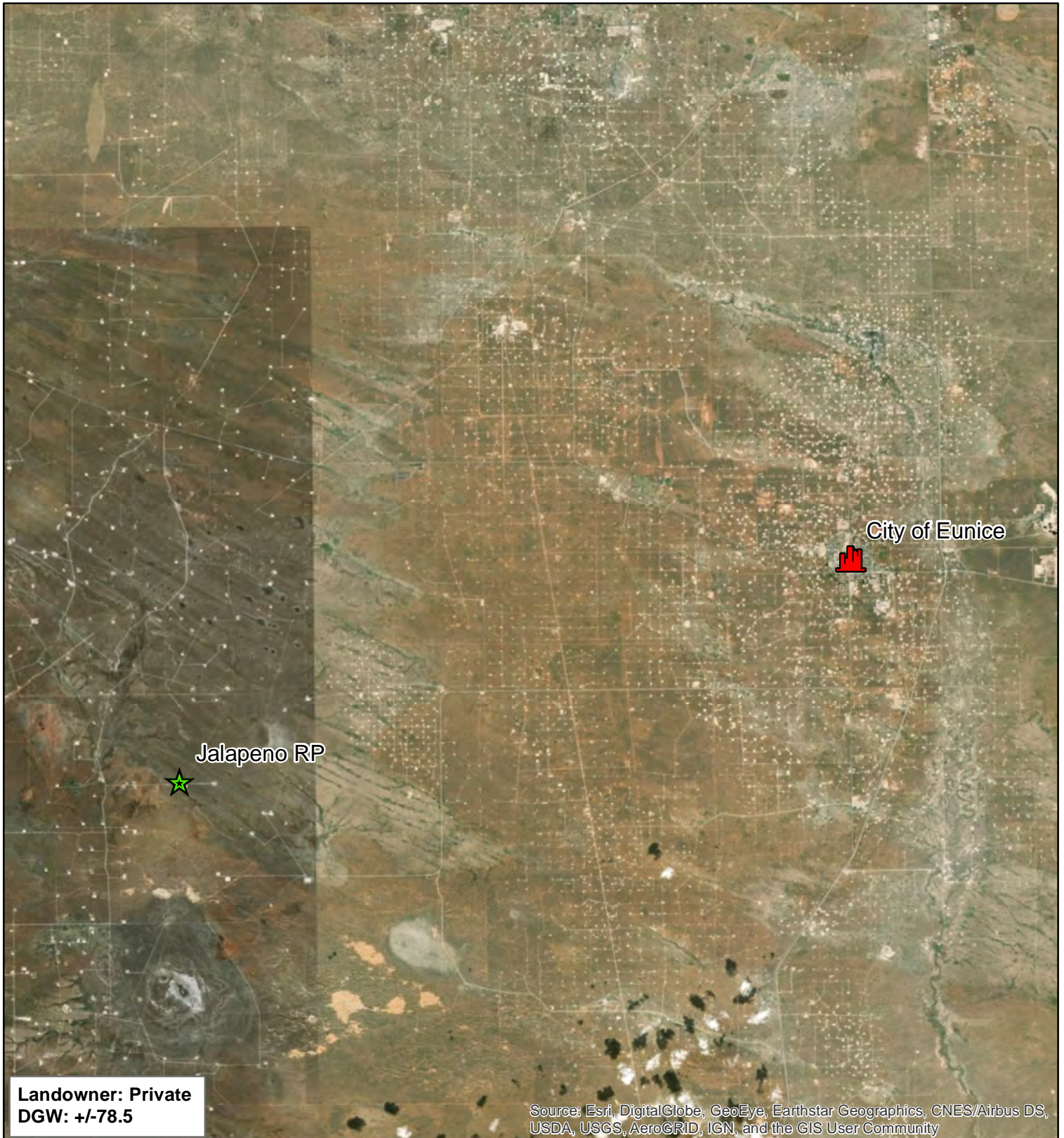
Daniel Dominguez
Project Manager

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

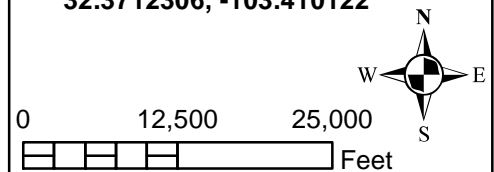
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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

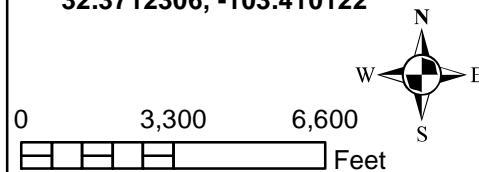
DEPTH TO GROUNDWATER MAP



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.

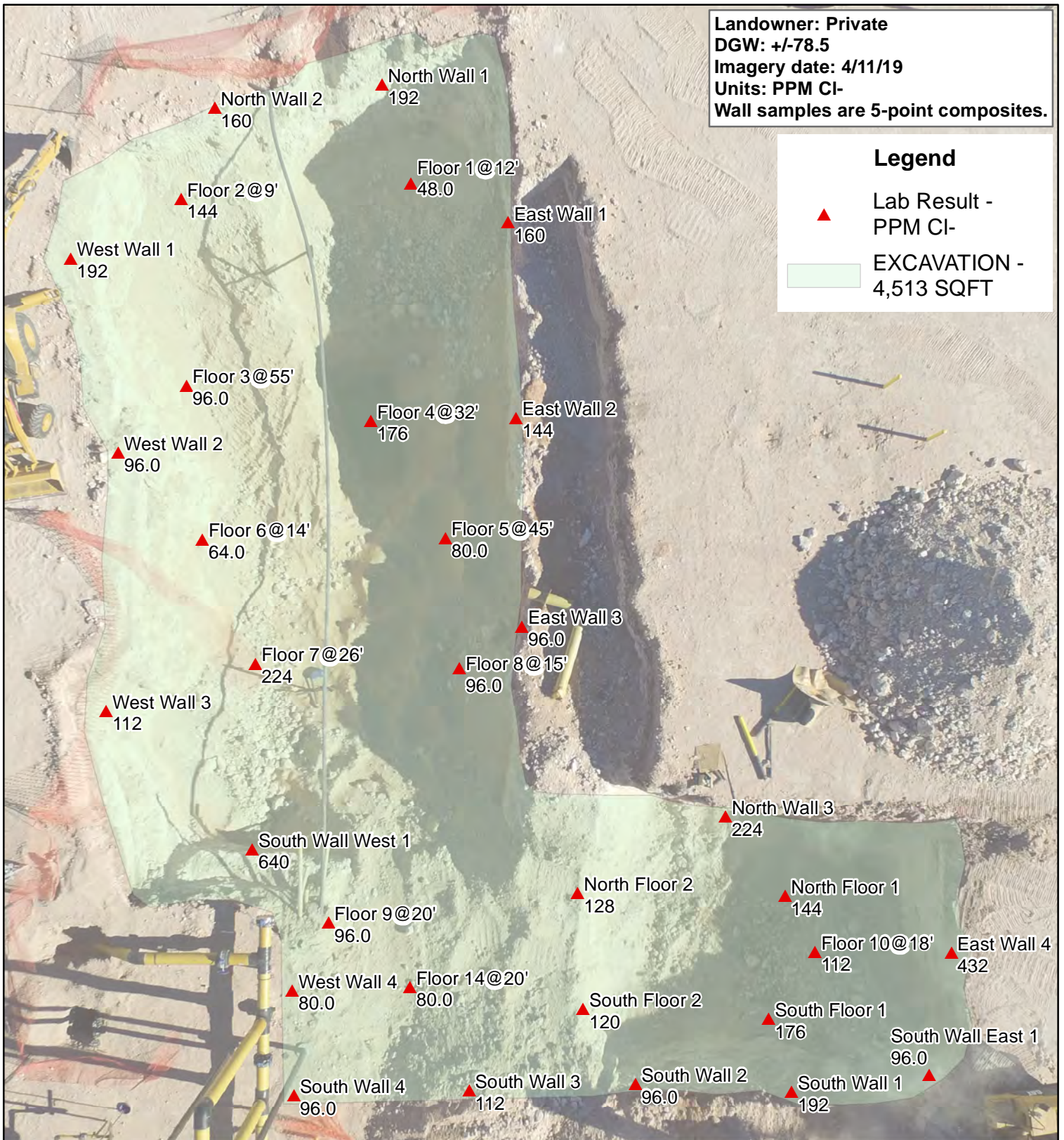
Legend



Lab Result -
 PPM Cl-



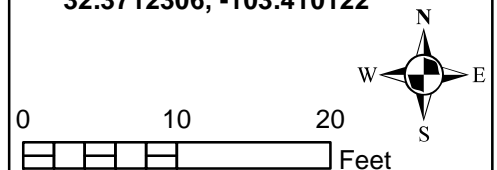
EXCAVATION -
 4,513 SQFT



**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 ₆ -C ₃₅ (mg/Kg)	4500 CI-B CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (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
NMOCD Recommended Remediation Action Level				10				50				2,500	10,000

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:


Groundwater ▼

Geographic Area:

New Mexico ▼

GO

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.
- [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

Groundwater: Field measurements ▼

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

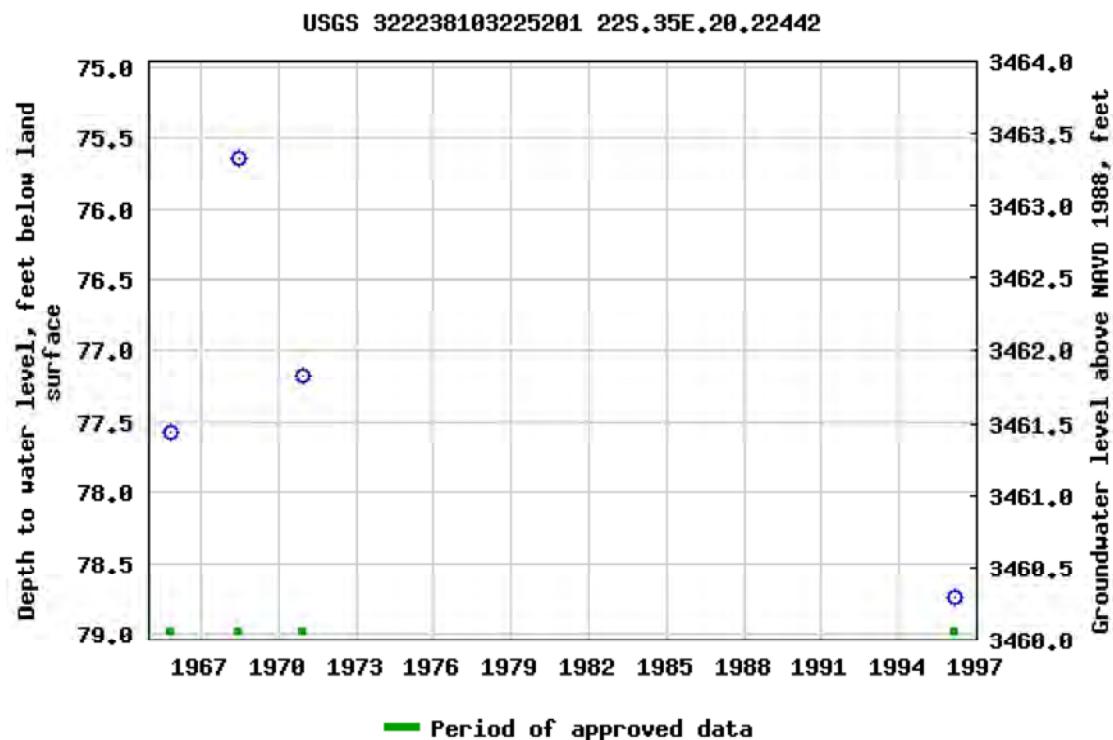
Latitude 32°22'38", Longitude 103°22'52" NAD27

Land-surface elevation 3,539 feet above NAVD88

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

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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

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Title: Groundwater for New Mexico: Water Levels

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=322238103225201&agency_c...



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



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

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.

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.

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 or 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 damage 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
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
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Cardinal Laboratories

Inorganic Compounds

Chloride	224		16.0	mg/kg	4	9051403	AC	17-May-19	4500-Cl-B	
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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) 96.5 % 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	

Surrogate: 1-Chlorooctane 89.9 % 41-142 9051407 MS 15-May-19 8015B

Surrogate: 1-Chlorooctadecane 91.7 % 37.6-147 9051407 MS 15-May-19 8015B

Cardinal Laboratories

*=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

SOUTH WALL EAST 1

H901706-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

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

Inorganic Compounds

Chloride	432		16.0	mg/kg	4	9051403	AC	17-May-19	4500-Cl-B	
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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			85.6 %		41-142	9051407	MS	15-May-19	8015B	
Surrogate: 1-Chlorooctadecane			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
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Cardinal Laboratories

Inorganic Compounds

Chloride	192		16.0	mg/kg	4	9051403	AC	17-May-19	4500-Cl-B	
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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)			95.4 %		73.3-129	9051306	ms	15-May-19	8021B	
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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			81.7 %		41-142	9051407	MS	15-May-19	8015B	
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Surrogate: 1-Chlorooctadecane			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
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Cardinal Laboratories

Inorganic Compounds

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

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	9051403	AC	17-May-19	4500-Cl-B	
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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)			95.1 %		73.3-129	9051306	ms	15-May-19	8021B	
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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			88.9 %		41-142	9051407	MS	15-May-19	8015B	
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Surrogate: 1-Chlorooctadecane			91.2 %		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

WEST WALL 4

H901706-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	9051403	AC	17-May-19	4500-Cl-B	
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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)			97.0 %		73.3-129	9051306	ms	15-May-19	8021B	
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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			82.4 %		41-142	9051407	MS	15-May-19	8015B	
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Surrogate: 1-Chlorooctadecane			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
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Cardinal Laboratories

Inorganic Compounds

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

Inorganic Compounds

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

Inorganic Compounds

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

Surrogate: 4-Bromofluorobenzene (PID)			96.6 %		73.3-129	9051307	ms	16-May-19	8021B	
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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			78.9 %		41-142	9051407	MS	15-May-19	8015B	
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Surrogate: 1-Chlorooctadecane			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 Limits	RPD	RPD Limit	Notes
Batch 9051403 - 1:4 DI Water									
Blank (9051403-BLK1)									
					Prepared & Analyzed: 14-May-19				
Chloride	ND	16.0	mg/kg						
LCS (9051403-BS1)									
					Prepared & Analyzed: 14-May-19				
Chloride	400	16.0	mg/kg	400		100	80-120		
LCS Dup (9051403-BSD1)									
					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
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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							
Surrogate: 4-Bromofluorobenzene (PID)	0.0949		mg/kg	0.100		94.9	73.3-129			

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			
Surrogate: 4-Bromofluorobenzene (PID)	0.0939		mg/kg	0.100		93.9	73.3-129			

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	
Surrogate: 4-Bromofluorobenzene (PID)	0.0913		mg/kg	0.100		91.3	73.3-129			

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							
Surrogate: 4-Bromofluorobenzene (PID)	0.0946		mg/kg	0.100		94.6	73.3-129			

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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 Limits	RPD	RPD Limit	Notes
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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		
Surrogate: 4-Bromofluorobenzene (PID)	0.0941		mg/kg	0.100		94.1	73.3-129		

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
Surrogate: 4-Bromofluorobenzene (PID)	0.0935		mg/kg	0.100		93.5	73.3-129		

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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
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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							
Surrogate: 1-Chlorooctane	51.7		mg/kg	50.0		103	41-142			
Surrogate: 1-Chlorooctadecane	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			
Surrogate: 1-Chlorooctane	61.9		mg/kg	50.0		124	41-142			
Surrogate: 1-Chlorooctadecane	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	
Surrogate: 1-Chlorooctane	57.7		mg/kg	50.0		115	41-142			
Surrogate: 1-Chlorooctadecane	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

Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO		ANALYSIS REQUEST													
Project Manager: Robbie Runnels		P.O. #:															
Address: P.O. Box 301		Company:															
City: Lovington		Attn:															
State: NM Zip: 88260		Address:															
Phone #: (575) 396-2378 Fax #: (575) 396-1429		City:															
Project #: Project Owner: Goodnight Midstream		State:															
Project Name: Jalapeno RP #1		Zip:															
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				
1 North Wall 3		c 1		x		GROUNDWATER					DATE		TIME		Chloride		
2 South Wall East 1		c 1		WASTEWATER					5/8/19		9:07		x		x		
3 East Wall 4		c 1		SOIL					5/8/19		9:08		x		x		
4 West Wall 1 South Wall 1		c 1		OIL					5/8/19		9:13		x		x		
5 West Wall 2		c 1		SLUDGE					5/8/19		9:19		x		x		
6 West Wall 3		c 1		OTHER:					5/8/19		9:22		x		x		
7 West Wall 4		c 1		ACID/BASE:					5/8/19		9:26		x		x		
8 Floor 9 @ 20'		c 1		ICE / COOL					5/8/19		9:30		x		x		
9 Floor 14 @ 20'		c 1		OTHER:					5/8/19		9:33		x		x		
10 South Wall 4		c 1							5/8/19		9:35		x		x		
									5/8/19		9:42		x		x		
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Relinquished By: [Signature]		Date: 5/9/19		Received By: [Signature]		Date: 5/9/19		Time: 14:09		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:					
Relinquished By: [Signature]		Date: [Blank]		Received By: [Signature]		Date: [Blank]		Time: [Blank]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:					
Delivered By: (Circle One) UPS - Bus - Other: 5.00c / #47		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: [Signature]													
<p>REMARKS: * Sample IDs revised as per Robbie. 5/22/19</p> <p>Please email results to pm@etechenv.com</p>																	

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.

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:	05/09/2019	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)

BTX 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 BTX	<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
Chloride	224	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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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)

BTX 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 BTX	<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
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 83.7 % 41-142

Surrogate: 1-Chlorooctadecane 86.2 % 37.6-147

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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: EAST WALL 4 (H901706-03)

BTX 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 BTX	<0.300	0.300	05/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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
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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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: WEST WALL 1 (H901706-04)

BTX 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 BTX	<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
Chloride	192	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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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: WEST WALL 2 (H901706-05)

BTX 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 BTX	<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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Analytical Results For:

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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: WEST WALL 3 (H901706-06)

BTX 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 BTX	<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
Chloride	112	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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 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: WEST WALL 4 (H901706-07)

BTX 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 BTX	<0.300	0.300	05/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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
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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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: FLOOR 9 @ 20' (H901706-08)

BTX 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 BTX	<0.300	0.300	05/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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
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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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: FLOOR 14 @ 20' (H901706-09)

BTX 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 BTX	<0.300	0.300	05/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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
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 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 92.5 % 37.6-147

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Lovington NM, 88260
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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: SOUTH WALL 4 (H901706-10)

BTX 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 BTX	<0.300	0.300	05/16/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	
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

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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

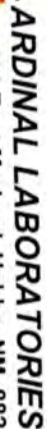
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[illegible]

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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising out of this contract shall, save as limited by the applicable provisions of applicable law, be limited to the amount of the fee paid by the client to Cardinal for the services rendered. Cardinal shall not be liable for indirect or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or its customers, arising out of this contract.

<p>Relinquished By: <u>[Signature]</u></p> <p>Date: <u>5/29/19</u></p> <p>Time: <u>14:09</u></p>		<p>Received By: <u>[Signature]</u></p> <p>Date: <u>5/29/19</u></p> <p>Time: <u>14:09</u></p>		<p>Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:</p> <p>Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:</p> <p>REMARKS:</p>	
<p>Relinquished By: _____</p> <p>Date: _____</p> <p>Time: _____</p>		<p>Received By: _____</p> <p>Date: _____</p> <p>Time: _____</p>		<p>Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:</p> <p>Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:</p> <p>REMARKS:</p>	

Please email results to pm@etechny.com

Please email results to pm@etechenv.com

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.

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

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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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: Chief Goodnight Midstream
Project Manager:

BILL TO
P.O. #: 6736

ANALYSIS REQUEST

Address:

Company:

City: State: Zip:

Attn:

Phone #: Fax #:

Address:

Project #: Project Owner:

City:

Project Name: Salerno Battery

State: Zip:

Project Location:

Phone #:

Sampler Name: Hidalgo

Fax #:

FOR LAB USE ONLY

MATRIX

PRESERV.

SAMPLING

Lab I.D. Sample I.D.

H921574

1 Floor 10 E 181

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

10:00

1 BTEX TPH

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Relinquished By:

Date:

Time:

Received By:

CHECKED BY:

Phone Result:

Fax Result:

Add'l Phone #:

Add'l Fax #:

Relinquished By:

Date:

Time:

Received By:

CHECKED BY:

REMARKS:

pm ectaduncan

Delivered By: (Circle One)

3:30 / #97

Sample Condition
Cool ☒ Intact ☒
Yes ☒ No ☐

CHECKED BY:

Sampler - UPS - Bus - Other:



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

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.

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". The signature is written in a cursive, flowing style.

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)

BTX 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 BTX	<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	
Chloride	144	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
Chloride	176	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

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: 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

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: 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	
Chloride	80.0	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 97.4 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 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: 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

Cardinal Laboratories

*=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

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Celey D. Keene, Lab Director/Quality Manager



Ettech Environmental & Safety Solutions, Inc.

ANALYSIS REQUEST

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006
Revision 1.0

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

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.

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	
Chloride	384	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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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 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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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 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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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: 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	
Chloride	144	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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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: 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
Chloride	160	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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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:	04/09/2019
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
Chloride	640	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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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:	04/09/2019
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, SM4500CI-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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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

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Celey D. Keene, Lab Director/Quality Manager

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H90132

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† 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.

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:	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)

BTX 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 BTX	<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	
Chloride	48.0	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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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	
Chloride	176	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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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	
Chloride	64.0	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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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
Chloride	224	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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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, SM4500CI-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	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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 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 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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	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

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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: 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

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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: EAST WALL 3 (H901153-08)

BTX 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 BTX	<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	
Chloride	96.0	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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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

BILL TO

FOR LAB USE ONLY

Lab I.D.	Sample I.D.
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H90153

[illegible]

PLEASE NOTE: Liability and Damages: Cardnet's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardnet within 30 days after completion of the applicable analyses. In no event shall Cardnet 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 Cardnet, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 2/6/12 Received By:

Relinquished By:

Date: _____ Received By: _____

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

CHECKED BY:

Please email results to pm@etechnv.com

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

FORM-006
Revision 1.0

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

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.

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:	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	96.0	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	192	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	64.0	16.0	03/05/2019	ND	400	100	400	0.00	

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:	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, 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	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
Chloride	80.0	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	
Chloride	32.0	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
Chloride	32.0	16.0	03/05/2019	ND	400	100	400	0.00	

Sample ID: C @ SURFACE (H900802-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/05/2019	ND	400	100	400	0.00	

Cardinal Laboratories

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Notes and Definitions

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

Cardinal Laboratories

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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

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		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST																			
FOR LAB USE ONLY		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		PRESERV. ACID/BASE: ICE / COOL OTHER :		SAMPLING DATE TIME		Chloride TPH (8015M) BTEX (8021B)									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		PRESERV. ACID/BASE: ICE / COOL OTHER :		SAMPLING DATE TIME		Chloride TPH (8015M) BTEX (8021B)									
1902802		1		N @ Surface		1		X		X		2/25/19		X									
2		1		NE @ Surface		1		X		X		2/25/19		X									
3		1		E @ Surface		1		X		X		2/25/19		X									
4		1		SE @ Surface		1		X		X		2/25/19		X									
5		1		S @ Surface		1		X		X		2/25/19		X									
6		1		SW @ Surface		1		X		X		2/25/19		X									
7		1		W @ Surface		1		X		X		2/25/19		X									
8		1		NW @ Surface		1		X		X		2/25/19		X									
9		1		C @ Surface		1		X		X		2/25/19		X									

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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: *[Signature]* Date: 2/24/19 Received By: *[Signature]* Time: 10:57 AM

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

Delivered By: (Circle One) *3.102/197* Sample Condition: ☒ Cool ☒ Intact ☐ Yes ☐ No ☐ Yes ☐ No

Sampler - UPS - Bus - Other: *3.102/197* CHECKED BY: *[Signature]* (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
 Fax Result: ☐ Yes ☐ No Add'l Fax #:
 REMARKS:
 Please email results to pm@etechenv.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 @ 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 ft²) of impacted surface area and a proprietary saturation formula.


State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <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. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <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> Signature:  Date: <u>1/15/2019</u> email: <u>robbie@etechnv.com</u> Telephone: <u>575-396-2378</u>
<u>OCD Only</u> 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

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

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

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)
<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 ft²) of impacted surface area and a proprietary saturation formula.

State of New Mexico
Oil Conservation Division

Incident ID	NAB1911436921
District RP	1RP-5438
Facility ID	fCH1903939717
Application ID	pAB1911435915

Was this a major release as defined by 19.15.29.7(A) NMAC? <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. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <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>Michael Wilson</u>	Title: <u>Foreman</u>
Signature: <u>[Signature]</u>	Date: <u>2/11/19</u>
email: <u>mwilson@goodnightmidstream.com</u>	Telephone: _____
<u>OCD Only</u>	
Received by: <u>[Signature]</u>	Date: <u>4/24/2019</u>

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

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 not 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.*

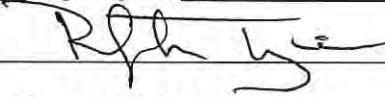
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile 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

Incident ID	
District RP	
Facility ID	
Application ID	

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 TijerinaTitle: Director - EHSSignature: Date: 5/31/15email: rtijerina@goodnightmidstream.comTelephone: 214-587-4964**OCD Only**

Received by: _____

Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

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.

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: 5/31/19

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	
Application ID	

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.

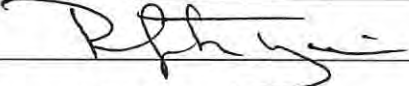
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ 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 - EHS

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: _____