

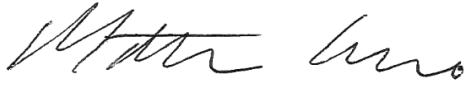
# Remediation Summary and Deferral Request

## Goodnight Midstream Permian, LLC Jalapeno CRP Bleeder Ring Outlet

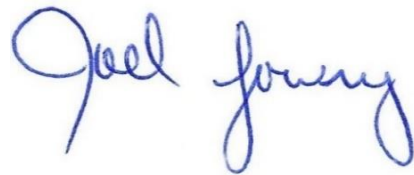
Lea County, New Mexico  
Unit Letter N, Section 19, Township 22 South, Range 35 East  
Latitude 32.37081 North, Longitude 103.41011 West  
NMOCD Reference No. nAPP2321651804

Prepared By:

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Matthew Grieco



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Midland • San Antonio • Lubbock • Hobbs • Lafayette

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## 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Goodnight Midstream Permian, LLC, has prepared this *Remediation Summary and Deferral Request* for the release site known as the Jalapeno CRP Bleeder Ring Outlet (henceforth, "Site"). Details of the release are summarized below:

### Location of Release Source

Latitude: 32.37081 Longitude: -103.41011

Provided GPS are in WGS84 format.

Site Name: <u>Jalapeno CRP Bleeder Ring Outlet</u>	Site Type: <u>SWD</u>
Date Release Discovered: <u>8/4/2023</u>	API # (if applicable): <u>N/A</u>

Unit Letter	Section	Township	Range	County
<u>N</u>	<u>19</u>	<u>22S</u>	<u>35E</u>	<u>Lea</u>

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name Merchant Livestock Company)

### Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>92</u>	Volume Recovered (bbls) <u>43</u>
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<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	Volume/Weight Recovered

Cause of Release:

Bleeder ring outlet plug blew out and caused the release.

### Initial Response

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

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available on the NMOCD Imaging System.

## 2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information.

In addition, on May 4, 2022, a soil bore/temporary monitor well was installed at the Site to determine the local depth to groundwater. The bore was drilled to a depth of 80 feet below ground surface (bgs) and left open for at least 72 hours to allow for water inflow and accumulation, if any. After 72 hours, the well was measured using a water level meter and found to have a depth to groundwater of 44 feet bgs. The well was subsequently plugged and abandoned on June 1, 2022.

Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	44 Feet		
Did the 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 any 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 the 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	

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2, 4, and 5. Supplemental electronic C-141 supplemental documentation is provided as Appendix F.



### 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
44 Feet	Chloride (Cl <sup>-</sup> )	EPA 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	-	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

\* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

### 4.0 REMEDIATION ACTIVITIES SUMMARY

On August 31, 2023, remediation activities commenced at the Site. In accordance with NMOCD regulations, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standards.

Etech collected nine (9) confirmation soil samples (FL - 1 @ 2' through FL - 4 @ 2', EW 1, EW 2, SW 1, WW #1, and WW 2) from the floor and walls of the excavated area. The collected soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory Method Detection Limit (MDL). Chloride concentrations ranged from 64.0 mg/kg in samples FL - 1 @ 2', WW #1, and WW 2 to 384 mg/kg in sample FL - 4 @ 2'.

On September 1, 2023, Etech collected nine (9) confirmation soil samples (FL - 5 @ 2' through FL - 10 @ 1', FL - 12 @ 1', NW 1, and SW 2) from the floor and walls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in sample FL - 8 @ 2' to 464 mg/kg in sample FL - 12 @ 1'.

On September 7, 2023, Etech collected ten (10) confirmation soil samples (FL - 11 @ 2', FL - 14 @ 2', FL - 15 @ 2', FL - 18 @ 2' through FL - 21 @ 2', EW # 3, EW 3, and NW # 2) from the floor and walls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory MDL except for sample FL - 14 @ 2', which exhibited a TPH concentration of 10.2 mg/kg. Chloride concentrations ranged from 48.0 mg/kg in samples FL - 14 @ 2' and EW # 3 to 304 mg/kg in sample FL - 19 @ 2'.

On September 8, 2023, Etech collected five (5) confirmation soil samples (FL - 17 @ 2' and FL - 25 @ 2' through FL - 28 @ 2') from the floor of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations

were also below the applicable laboratory MDL. Chloride concentrations ranged from 208 mg/kg in sample FL - 26 @ 2' to 320 mg/kg in samples FL - 25 @ 2' and FL - 27 @ 2'.

In addition, Etech collected two (2) deferral characterization soil samples (SW 3 DEF @ SURFACE and WW3 DEF @ 1FT) from the walls of the impacted soil adjacent to the steel-walled lined containment areas. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the NMOCD Closure Criteria, NMOCD Reclamation Standards, and the laboratory MDL in each of the submitted soil samples. Chloride concentrations were 144 mg/kg in sample WW3 DEF @ 1FT and 1,840 mg/kg in sample SW 3 DEF @ SURFACE, which exceeded the applicable NMOCD Closure Criterion and NMOCD Reclamation Standard.

On September 18, 2023, Etech collected eight (8) confirmation soil samples (FL - 13 @ 3', FL - 16 @ 3', FL - 22 @ 2' through FL - 24 @ 3', FL - 29 @ 3', FL - 46 @ 3', and EW - 4) from the floor and walls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and the laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 16.0 mg/kg in sample EW - 4 to 640 mg/kg in sample FL - 16 @ 3', which exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard.

In addition, Etech collected one (1) deferral characterization soil sample (SW- 3 DEF @ 2 FT) from the wall of the deferral area. The collected soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in the submitted soil sample. BTEX and TPH concentrations were also below the laboratory MDL. The chloride concentration was 352 mg/kg.

On September 19, 2023, Etech collected twenty (20) confirmation soil samples (FL - 41 @ 3', through FL - 44 @ 2', FL - 47 @ 3', FL - 48 @ 3', FL - 50 @ 3', FL - 52 @ 2' through FL - 62 @ 3', EW - 5, and NW 3) from the floor and walls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in samples FL - 56 @ 1', FL - 58 @ 1', FL - 59 @ 1', FL - 60 @ 3', and EW - 5 to 464 mg/kg in sample FL - 42 @ 5'.

On September 22, 2023, Etech collected seventeen (17) confirmation soil samples (FL - 63 @ 2' through FL - 69 @ 1', FL - 73 @ 2', FL - 76 @ 2' through FL - 80 @ 1', FL - 82 @ 2', FL - 83 @ 2', NW - 4, NW - 5) from the floor and walls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in samples FL - 63 @ 2', FL - 64 @ 2', FL - 73 @ 2', and FL - 76 @ 2' to 176 mg/kg in samples FL - 65 @ 1' and FL - 66 @ 1'.

On September 25, 2023, Etech collected four (4) confirmation soil samples (FL - 84 @ 2', FL - 85 @ 2', SW - 4, and WW - 6) from the floor and walls of the excavated area and five (5) horizontal delineation soil samples (EH - 1, SH - 2, and WH - 1 through WH - 3) from the areas adjacent to the excavation. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in sample EH - 1 to 64.0 mg/kg in samples FL - 84 @ 2', FL - 85 @ 2', and SW - 4.

In addition, Etech collected three (3) deferral characterization soil samples (EW - 6 DEF, SW - 5 DEF, and WW - 7 DEF) from the walls of the deferral area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and

chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and the laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 2,000 mg/kg in sample SW - 5 DEF to 2,240 mg/kg in sample WW - 7 DEF, all exceeding the NMOCD Closure Criterion and NMOCD Reclamation Standard.

On September 27, 2023, Etech advanced the excavation in the area represented by sample FL - 16 @ 3' and collected a new confirmation soil sample (FL # 16 @ 4 FT). Etech also collected eight (8) confirmation soil samples (FL # 40 @ 2 FT, FL # 51 @ 2 FT, FL # 70 @ 1 FT through FL # 72 @ 1 FT, FL # 74 @ 1 FT, FL # 75 @ 1 FT, and SW # 6) from the floor and walls of the excavated area and one (1) horizontal delineation soil sample (SH # 3) from the area adjacent to the excavation. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in sample FL # 70 @ 1 FT to 320 mg/kg in sample SH # 3.

A site and sample location map is provided as Figure 3. A soil chemistry table is provided as Table 1. Field data is provided as Appendix B. Laboratory analytical reports are provided as Appendix C. A photographic log of remediation activities is provided as Appendix D. Copies of regulatory correspondence are provided in Appendix E.

The final dimensions of the excavated area were approximately 400 feet in length, ten (10) to 135 feet in width, and one (1) to four (4) feet in depth. During the course of remediation activities, approximately 1,684 cubic yards of impacted soil was transported to an NMOCD-approved surface waste facility for disposal.

## **5.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN**

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with approximately 1,684 cubic yards of locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas were limited to the production pad and will be reseeded following the final closure and reclamation of the Site.

## **6.0 DEFERRAL REQUEST**

Etech maintains that further excavation of impacted soil adjacent to or underneath containment areas, tanks, containers, pumps, pipes, and associated appurtenances would require a major facility deconstruction. Remediation of impacted soil remaining in-situ will be deferred pending the deconstruction and removal of the blocking equipment. Remediation activities were conducted in accordance with applicable NMOCD regulations. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated to the extent practicable and transported to an NMOCD-approved disposal facility. Laboratory analytical results from excavation confirmation soil samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria and NMOCD Reclamation Standard. Analytical results from horizontal delineation soil samples and deferral characterization soil samples adequately define the nature and extent of impacted soil remaining in-situ.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Goodnight Midstream Permian, LLC, provide copies of this *Remediation Summary and Deferral Request* to the appropriate agencies and request deferral be granted to the Jalapeno CRP Bleeder Ring Outlet site.

## 7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary and Deferral 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 has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the 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. Use of the information contained in this report is prohibited without the consent of Etech and/or Goodnight Midstream Permian, LLC.

## **8.0 DISTRIBUTION**

***Goodnight Midstream Permian, LLC***

*5910 N Central Expy*

*Suite 800*

*Dallas, TX 75206*

***New Mexico Energy, Minerals and Natural Resources Department***

*Oil Conservation Division, District 1*

*1220 South St. Francis Drive*

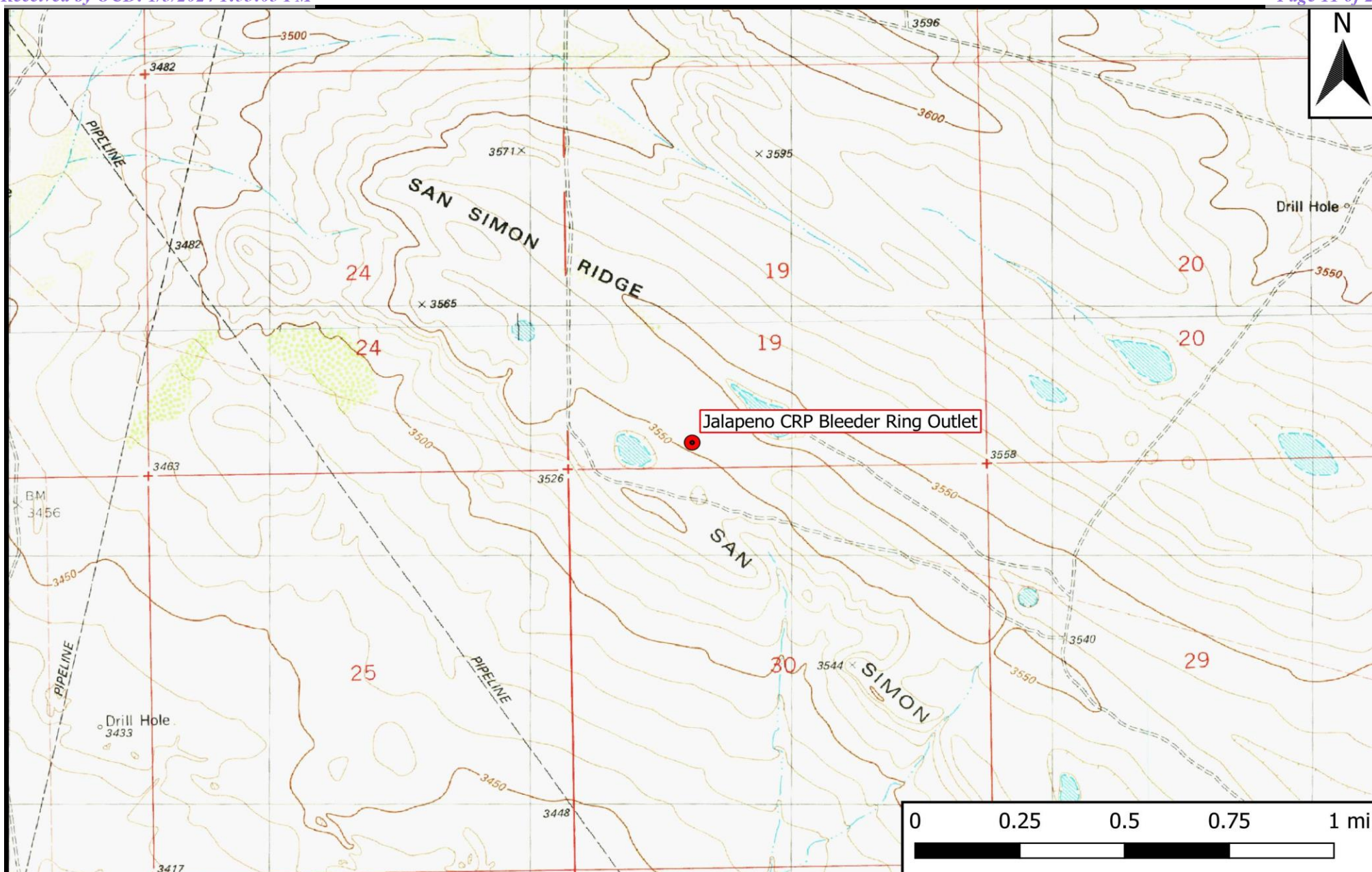
*Santa Fe, NM 87505*

*(Electronic Submission)*

# **Figure 1**

## **Topographic Map**





## Legend

- Site Location

## Figure 1

Topographic Map  
 Goodnight Midstream Permian, LLC  
 Jalapeno CRP Bleeder Ring Outlet  
 GPS: 32.37081, -103.41011  
 Lea County

**eTECH**  
 Environmental & Safety Solutions, Inc.

Drafted: mag

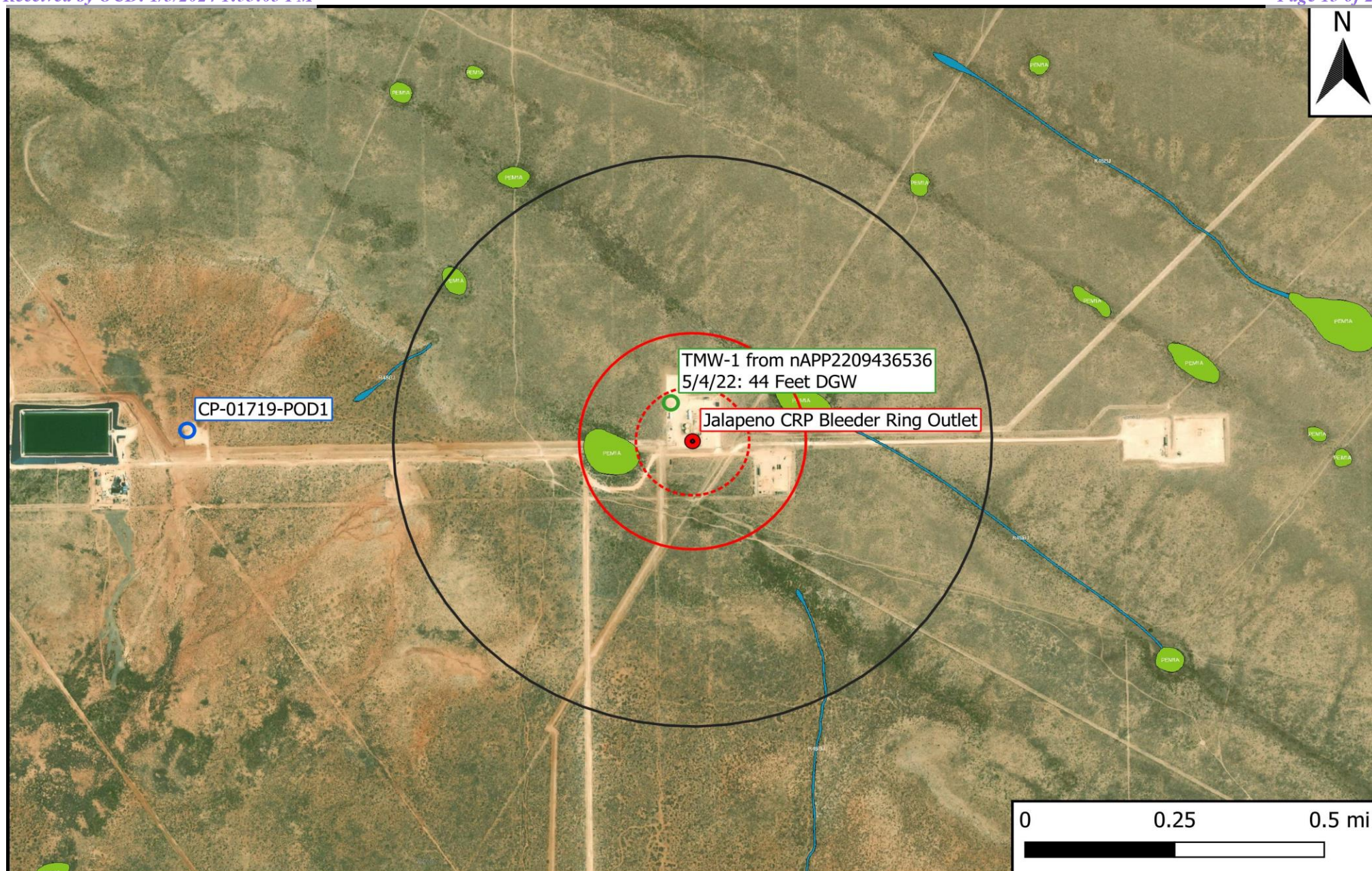
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Date: 10/24/23

## **Figure 2**

### **Aerial Proximity Map**





- |                        |                              |
|------------------------|------------------------------|
| ● Site Location        | ⋯ 500 Ft Radius              |
| ○ Well - USGS          | ▭ 1000 Ft Radius             |
| ○ Well - NMOSE         | ▭ 0.5 Mi Radius              |
| ○ Well - Other         | ▭ 1% Annual Flood Chance     |
| ▭ Potash Mine Workings | ▭ Lake/Freshwater Pond       |
| ▭ Medium/High Karst    | ▭ Emergent/Forested Wetlands |
|                        | ▭ Riverine                   |

**Figure 2**  
Aerial Proximity Map  
Goodnight Midstream Permian, LLC  
Jalapeno CRP Bleeder Ring Outlet  
GPS: 32.37081, -103.41011  
Lea County

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Environmental & Safety Solutions, Inc.

Drafted: mag

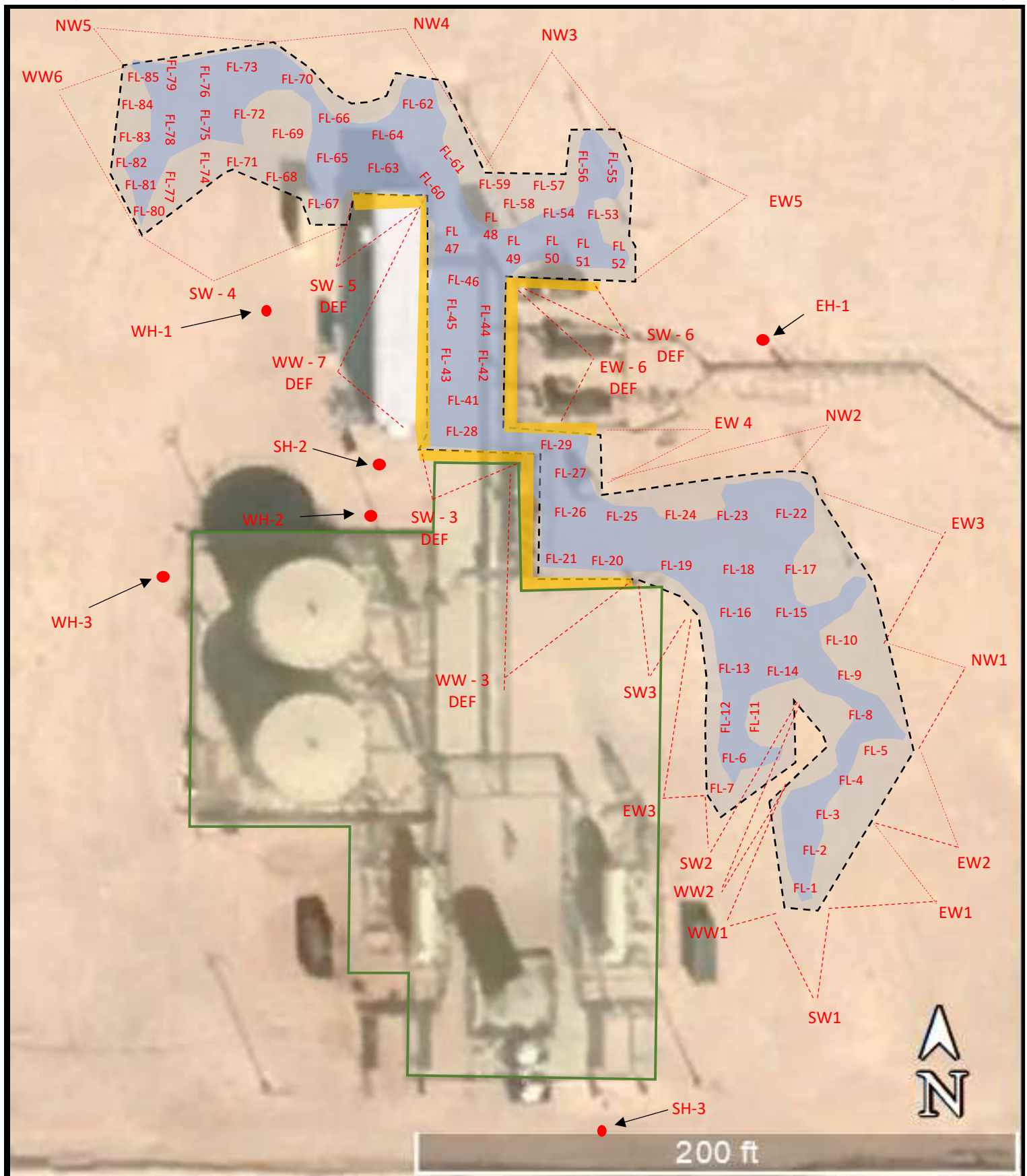
Checked: jwl

Date: 10/24/23



## **Figure 3**

### **Site and Sample Location Map**



## Legend:

- Excavated Area
- Affected Area
- Sample Point
- Proposed Deferral
- Containment Area

Figure 3

Site and Sample Location Map  
 Goodnight Midstream Permian, LLC  
 Jalapeno CRP Bleeder Ring Outlet  
 GPS: 32.37081, -103.41011  
 Lea County



Drafted:

Checked: jwl

Date: 12/20/23

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Goodnight Midstream Permian, LLC**  
**Jalapeno CRP Bleeder Ring Outlet**  
**NMOCD Ref. #: nAPP2321651804**

NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
Excavation Confirmation Floor Soil Samples											
FL - 1 @ 2'	8/31/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL - 2 @ 2'	8/31/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL - 3 @ 2'	8/31/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL - 4 @ 2'	8/31/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL - 5 @ 2'	9/1/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL - 6 @ 1'	9/1/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL - 7 @ 1'	9/1/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL - 8 @ 2'	9/1/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL - 9 @ 1'	9/1/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL - 10 @ 1'	9/1/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL - 11 @ 2'	9/7/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL - 12 @ 1'	9/1/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL - 13 @ 3'	9/18/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL - 14 @ 2'	9/7/2023	2	In-Situ	<0.050	<0.300	<10.0	10.2	10.2	<10.0	10.2	48.0
FL - 15 @ 2'	9/7/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL - 16 @ 3'	9/18/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL # 16 @ 4 FT	9/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 17 @ 2'	9/8/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL - 18 @ 2'	9/7/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL - 19 @ 2'	9/7/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL - 20 @ 2'	9/7/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL - 21 @ 2'	9/7/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL - 22 @ 2'	9/18/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL - 23 @ 3'	9/18/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL - 24 @ 3'	9/18/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL - 25 @ 2'	9/8/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL - 26 @ 2'	9/8/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL - 27 @ 2'	9/8/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL - 28 @ 2'	9/8/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	92.0
FL - 29 @ 3'	9/18/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL # 40 @ 2 FT	9/27/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 41 @ 3'	9/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL - 42 @ 5'	9/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL - 43 @ 3'	9/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 44 @ 2'	9/19/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL - 46 @ 3'	9/18/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL - 47 @ 3'	9/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL - 48 @ 3'	9/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL - 50 @ 3'	9/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL # 51 @ 2 FT	9/27/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Goodnight Midstream Permian, LLC**  
**Jalapeno CRP Bleeder Ring Outlet**  
**NMOCD Ref. #: nAPP2321651804**

NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL - 52 @ 2'	9/19/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL - 53 @ 2'	9/19/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL - 54 @ 1'	9/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL - 55 @ 1'	9/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL - 56 @ 1'	9/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 57 @ 1'	9/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 58 @ 1'	9/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 59 @ 1'	9/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 60 @ 3'	9/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 61 @ 1'	9/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL - 62 @ 3'	9/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 63 @ 2'	9/22/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 64 @ 2'	9/22/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 65 @ 1'	9/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL - 66 @ 1'	9/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL - 67 @ 1'	9/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 68 @ 1'	9/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL - 69 @ 1'	9/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL # 70 @ 1 FT	9/27/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL # 71 @ 1 FT	9/27/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL # 72 @ 1 FT	9/27/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL - 73 @ 2'	9/22/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL # 74 @ 1 FT	9/27/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL # 75 @ 1 FT	9/27/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 76 @ 2'	9/22/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 77 @ 1'	9/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 78 @ 1'	9/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL - 79 @ 1'	9/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL - 80 @ 1'	9/22/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL - 82 @ 2'	9/22/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 83 @ 2'	9/22/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 84 @ 2'	9/25/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL - 85 @ 2'	9/25/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
Excavation Confirmation Sidewall Soil Samples											
EW 1	8/31/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 2	8/31/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
EW # 3	9/7/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 3	9/7/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
EW - 4	9/18/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW - 5	9/19/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 1	9/1/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

<b>Table 1</b> <b>Concentrations of BTEX, TPH, and Chloride in Soil</b> <b>Goodnight Midstream Permian, LLC</b> <b>Jalapeno CRP Bleeder Ring Outlet</b> <b>NMOCD Ref. #: nAPP2321651804</b>											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
NW # 2	9/7/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
NW 3	9/19/2023	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW - 4	9/22/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
NW - 5	9/22/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 1	8/31/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 2.	9/1/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
SW - 4	9/25/2023	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW # 6	9/27/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW #1	8/31/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 2	8/31/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW - 6	9/25/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
Deferral Characterization Soil Samples											
EW - 6 DEF	9/25/2023	0.5	Deferred	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>2,080</b>
SW 3 DEF @ SURFACE	9/8/2023	0	Deferred	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,840</b>
SW - 3 DEF @ 2 FT	9/18/2023	2	Deferred	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
SW - 5 DEF	9/25/2023	0.5	Deferred	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>2,000</b>
WW3 DEF @ 1FT	9/8/2023	1	Deferred	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WW - 7 DEF	9/25/2023	0.5	Deferred	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>2,240</b>
Horizontal Delineation Soil Samples											
EH - 1	9/25/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH - 2	9/25/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH # 3	9/27/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
WH - 1	9/25/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	34.0
WH - 2	9/25/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH - 3	9/25/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

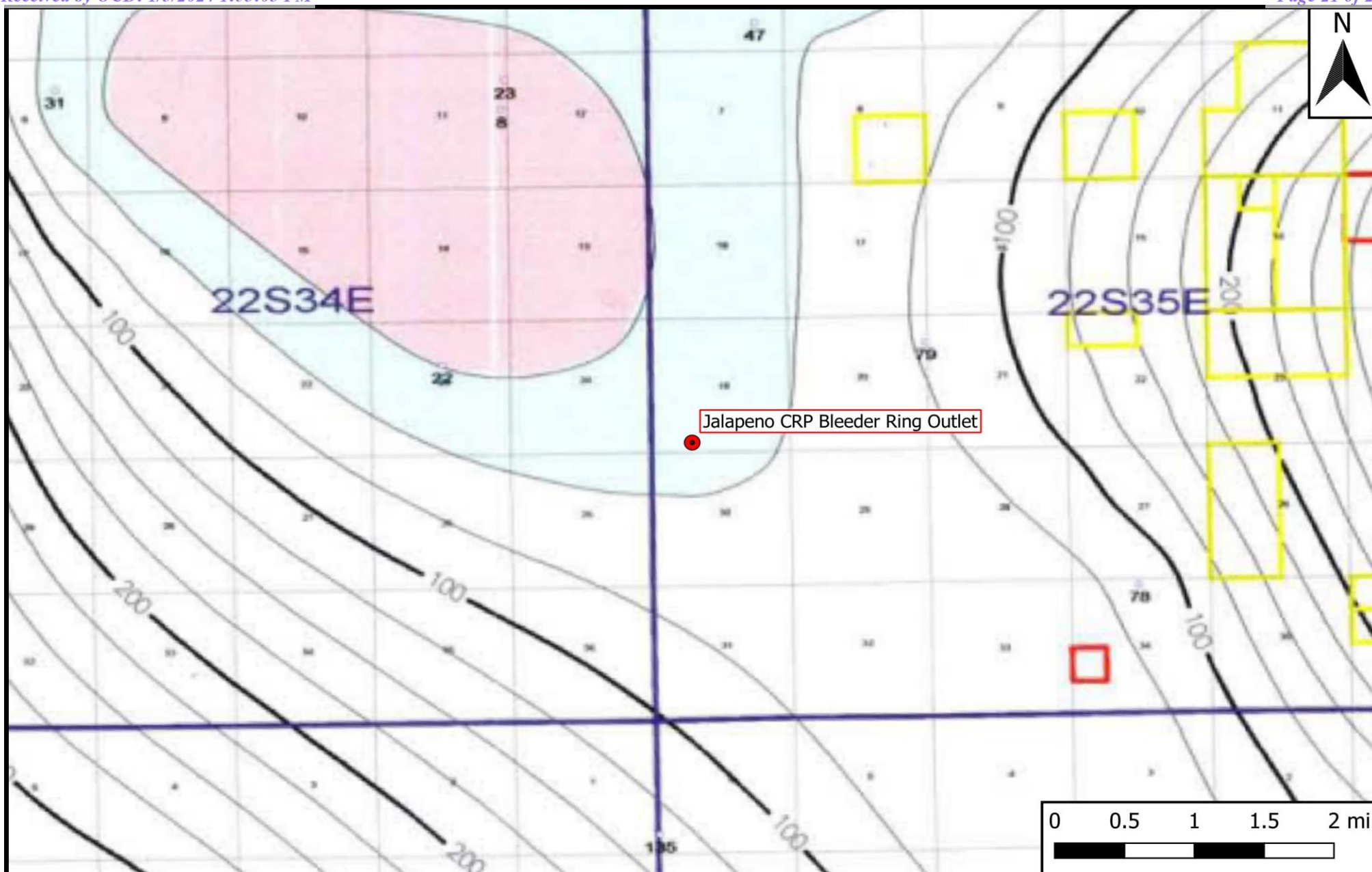
Dash (-): Sample not analyzed for that constituent.

**Bold:** NMOCD Closure Criteria exceedance.**Red:** NMOCD Reclamation Standard exceedance.

## **Appendix A**

### **Depth to Groundwater Information**





## Legend

● Site Location

## Figure 4

Inferred Depth to Groundwater Trend Map  
 Goodnight Midstream Permian, LLC  
 Jalapeno CRP Bleeder Ring Outlet  
 GPS: 32.37081, -103.41011  
 Lea County

**eTECH**  
 Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl

Date: 10/24/23



## Soil Boring/Temporary Monitor Well TMW-1

<b>Company:</b> Goodnight Midstream Permian, LLC <b>Site:</b> Jalapeno RP <b>NMOCD Reference #:</b> nAPP2132245281 <b>Location:</b> Lea Co., NM <b>PLSS:</b> U/L "N", Sec. 19, T22S, R35E			<b>Well/Borehole ID:</b> TMW-1 <b>Coordinates (NAD 83):</b> 32.371791,-103.410713 <b>Drilling Date:</b> 5/4/2022 <b>Depth of Boring (ft):</b> 80 <b>Depth to Groundwater (ft):</b> 44 <b>Plugging Date:</b> 6/1/2022			<b>Drilling Company:</b> Scarborough Drilling, Inc. <b>Driller:</b> L. Scarborough <b>Drilling Method:</b> Air Rotary <b>Logged By:</b> L. Scarborough <b>Drafted By:</b> B. Arguijo <b>Draft Date:</b> 6/10/2022		
<b>Completion:</b> N/A			<b>Casing:</b> 2" PVC			<b>Screen:</b> 0.1" Slotted		
<b>Comments:</b> Temporary monitor well advanced in northwest corner of production pad.								
Depth (ft)	Groundwater	Lithology	Material Description	Chloride Field Test	Petroleum Odor	Petroleum Stain	Well Construction	
5			Caliche pad Caliche fines	-	-	-		
10			Sand	-	-	-		
15				-	-	-		
20				-	-	-		
25				-	-	-		
30				-	-	-		
35				-	-	-		
40				-	-	-		
45				-	-	-		
50				-	-	-		
55				-	-	-		
60				-	-	-		
65				-	-	-		
70				-	-	-		
75				-	-	-		
80				-	-	-		
85			Notes: • Lines between material types represent approximate boundaries. Actual transitions may be gradual.					
90								
95								

**Disclaimer** This bore log is intended for environmental not geotechnical purposes.



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	Sub-basin	County	Q	Q	Q	Sec	Tw	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">CP 01719 POD1</a>		CP	LE	4	4	3	24	22S	34E	648215	3582680	1359	1173	838	335

Average Depth to Water: 838 feet

Minimum Depth: 838 feet

Maximum Depth: 838 feet

**Record Count:** 1

### UTM NAD83 Radius Search (in meters):

**Easting (X):** 649574.34

**Northing (Y):** 3582649.65

**Radius:** 1610

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/24/23 8:37 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER




# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
NA	CP 01719 POD1	4 4 3	24	22S	34E	648215	3582680 

**Driller License:** 421 **Driller Company:** GLENN'S WATER WELL SERVICE

**Driller Name:** GLENN, CLARK A."CORKY", CE

<b>Drill Start Date:</b> 05/20/2019	<b>Drill Finish Date:</b> 05/24/2019	<b>Plug Date:</b>
<b>Log File Date:</b> 06/10/2019	<b>PCW Rcv Date:</b>	<b>Source:</b> Artesian
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 100 GPM
<b>Casing Size:</b> 8.00	<b>Depth Well:</b> 1173 feet	<b>Depth Water:</b> 838 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	826	857	Shale/Mudstone/Siltstone
	857	953	Shale/Mudstone/Siltstone
	953	1150	Sandstone/Gravel/Conglomerate
	1150	1173	Shale/Mudstone/Siltstone

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	753	1173

<b>Meter Number:</b> 20158	<b>Meter Make:</b> SEAMETRICS
<b>Meter Serial Number:</b> 10 200 093	<b>Meter Multiplier:</b> 1.0000
<b>Number of Dials:</b> 8	<b>Meter Type:</b> Diversion
<b>Unit of Measure:</b> Barrels 42 gal.	<b>Return Flow Percent:</b>
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b> Monthly

### Meter Readings (in Acre-Feet)

<b>Read Date</b>	<b>Year</b>	<b>Mtr Reading</b>	<b>Flag</b>	<b>Rdr</b>	<b>Comment</b>	<b>Mtr Amount Online</b>
04/30/2020	2020	11980	A	ad		0
05/31/2020	2020	11980	A	ad		0
06/30/2020	2020	11980	A	ad		0
07/31/2020	2020	11980	A	ad		0
08/31/2020	2020	11980	A	ad		0
09/30/2020	2020	11980	A	ad		0
10/31/2020	2020	11980	A	ad		0
11/30/2020	2020	11980	A	ad		0
12/31/2020	2020	11980	A	ad		0
01/31/2021	2021	11980	A	ad		0
02/20/2021	2021	0	A	ad		0
02/28/2021	2021	3493	A	ad		0.450
03/31/2021	2021	3493	A	ad		0
04/30/2021	2021	6905	A	ad		0.440
05/31/2021	2021	47818	A	ad		5.273
06/30/2021	2021	59007	A	ad		1.442
07/31/2021	2021	78515	A	ad		2.514

08/31/2021	2021	119887	A	ad	5.333
09/30/2021	2021	163769	A	ad	5.656
10/31/2021	2021	195376	A	ad	4.074
11/30/2021	2021	226335	A	ad	3.990
12/26/2021	2021	258461	A	ad	4.141
01/31/2022	2022	299247	A	ad	5.257
02/28/2022	2022	299273	A	ad	0.003
03/31/2022	2022	299273	A	ad	0
04/30/2022	2022	391169	A	ad	11.845
06/01/2022	2022	395948	A	ad	0.616
07/01/2022	2022	465704	A	ad	8.991
08/05/2022	2022	503843	A	ad	4.916
09/01/2022	2022	534781	A	ad	3.988
11/01/2022	2022	534782	A	WEB	0 X
12/01/2022	2022	564473	A	WEB	3.827 X
01/01/2023	2022	570659	A	WEB	0.797 X
02/01/2023	2023	570666	A	WEB	0.001 X
03/01/2023	2023	629574	A	WEB	7.593 X
04/01/2023	2023	670661	A	WEB	5.296 X
05/01/2023	2023	670662	A	WEB	0 X
06/01/2023	2023	722663	A	WEB	6.703 X
07/01/2023	2023	780574	A	WEB	7.464 X
08/01/2023	2023	785760	A	WEB	0.668 X
09/01/2023	2023	785760	A	WEB	0 X
10/01/2023	2023	785760	A	WEB	0 X

<b>**YTD Meter Amounts:</b>		
<b>Year</b>	<b>Amount</b>	
2020	0	
2021	33.313	
2022	40.240	
2023	27.725	

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.





## Legend

- Site Location
- Well - USGS
- ⊞ 500 Ft Radius
- ⊞ 1000 Ft Radius
- ⊞ 0.5 Mi Radius

## Figure 5

USGS Well Proximity Map  
Goodnight Midstream Permian, LLC  
Jalapeno CRP Bleeder Ring Outlet  
GPS: 32.37081, -103.41011  
Lea County



Drafted: mag

Checked: jwl

Date: 10/24/23



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater ▼

Geographic Area:

United States ▼

GO

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Groundwater levels for the Nation

! Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 322231103262601

Minimum number of levels = 1

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

### USGS 322231103262601 22S.34E.23.23131

Available data for this site

Groundwater: Field measurements ▼

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°22'47.6", Longitude 103°26'25.3" NAD83

Land-surface elevation 3,452 feet above NAVD88

The depth of the well is 60 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

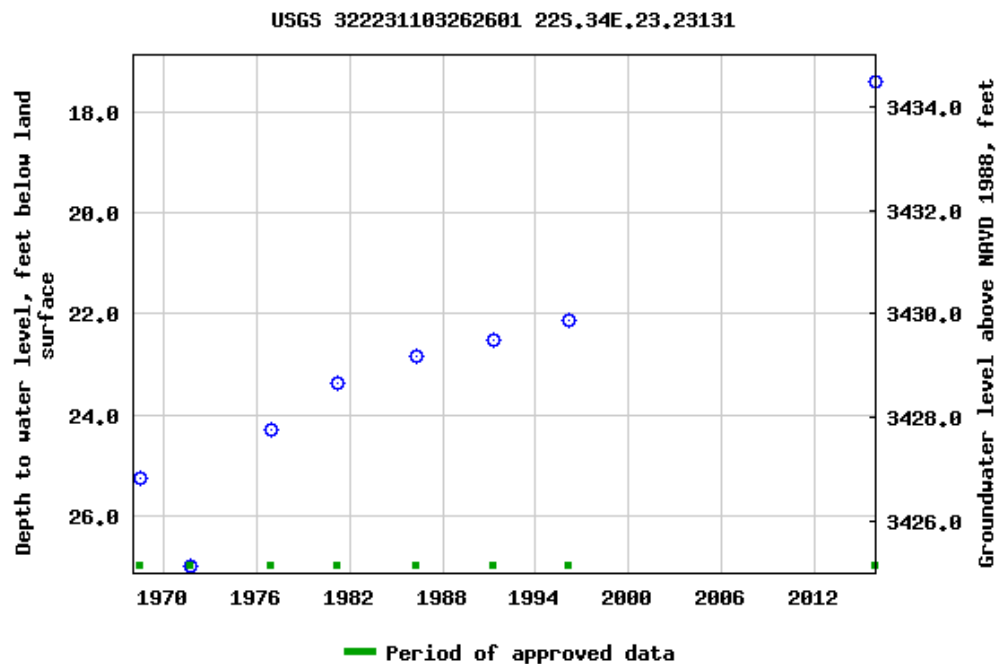
[Table of data](#)

[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 USA: Water Levels**

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



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-10-24 10:35:41 EDT

0.7 0.58 nadww01





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Data Category:

Groundwater

Geographic Area:

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### 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 Other aquifers (N9999OTHER) national aquifer.

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

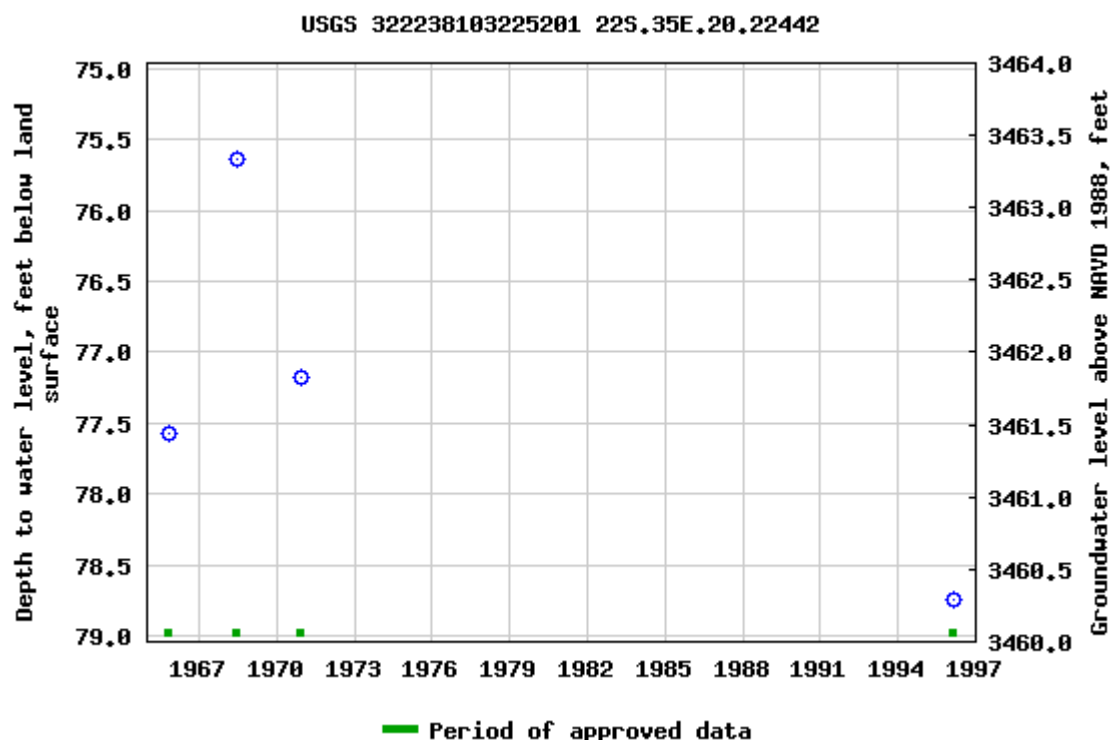
#### Output formats

[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 USA: Water Levels**

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0.78 0.61 nadww01



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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[Groundwater levels for the Nation](#)

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### Search Results -- 1 sites found

**Agency code** = usgs

**site\_no list** =

- 322238103225202

**Minimum number of levels** = 1

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

### USGS 322238103225202 22S.35E.20.22442A

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

The depth of the well is 96 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

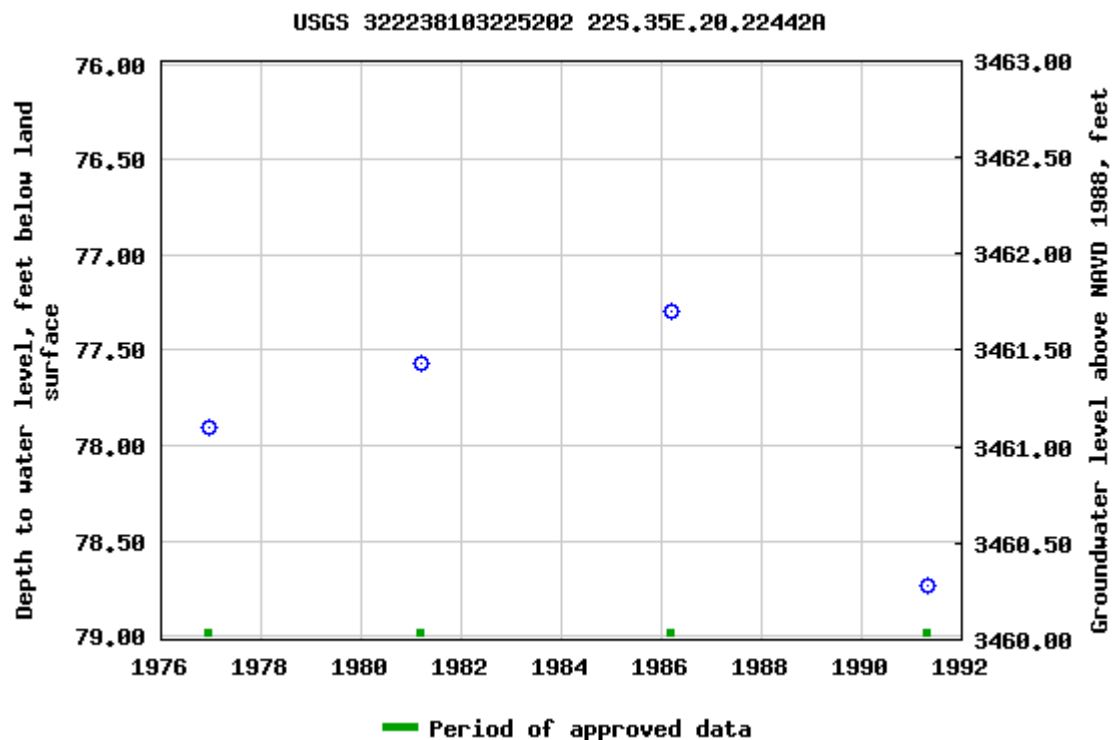
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

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

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**Title: Groundwater for USA: Water Levels**

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



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-10-24 10:35:43 EDT

0.7 0.63 nadww01

## **Appendix B**

### **Field Data**



## Sample Log

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

Project: Jalapeno CRP Bleeder Ring Outlet

Project Number: 18557 Latitude: 32.37139 Longitude: -103.41

Sample ID	PID/Odor	Chloride Conc.	GPS
SW 1	—	low 2.4 248	
NW 1	—	low 4.8 832	
FL #1 @ 20 Ft	—	164	
EW 1	—	188	
FL # 2 @ 2 Ft	—	low 2.4 248	
FL # 3 @ 1 Ft	—	900	
WW #1	—	low 4.0 592	
FL # 3 @ 2 Ft	—	<del>540</del> 540	
WW #1	—	11.4	
FL # 4 @ 2 Ft	—	low 3.2 396	
WW 2	—	140	
EW 2	—	900	
EW 2	—	316	
FL # 5 @ 2 Ft	—	ND	
NW 1	—	1584	
SW 2	—	356	
NW 1	—	ND	
FL # 6 @ 1 Ft	—	188	
FL # 7 @ 1 Ft	—	356	
FL # 8 @ 2 Ft	—	ND	
FL # 9 @ 1 Ft	—	216	
FL # 10 @ 1 Ft	—	188	
FL # 11 @ 1 Ft	—	900	
FL # 12 @ 1 Ft	—	396	
EW 3	—	2588	
FL # 11 @ 2 Ft	—	248	
EW 3	—	2588	
FL 13 @ 1'	—	2588	
FL 14 @ 1'	—	2588 / 4,448	
WW 3 Def @ Surface	—	1124	
FL # 14 @ 2'	—	900	
FL # 14 @ 2 Ft	—	216	
FL # 15 @ 1 Ft	—	708	
FL # 16 @ 1 Ft	—	1208	
FL # 13 @ 2'	—	540	
FL # 15 @ 2'	—	248	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

Resamples = SP #1 @ 5b or SW #1b

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

GPS Sample Points, Center of Comp Areas



## Sample Log

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

Project: Jalapeno CRP Bleeder Ring Outlet

Project Number: 18557 Latitude: 32.37139 Longitude: -103.41

Sample ID	PID/Odor	Chloride Conc.	GPS
FL#16 @ 2Ft	—	900	
NW#2	—	2588	
EW#3	—	216	
NW#2	—	356	
FL#17 @ 1Ft	—	860	
FL#18 @ 1Ft	—	2588	
FL#19 @ 1Ft	—	2588/9,212	
FL#20 @ 1Ft	—	2080	
FL#21 @ 1Ft	—	1816	
FL#22 @ 1Ft	—	592	
FL#23 @ 1Ft	—	1,292	
FL#24 @ 1Ft	—	1640	
FL#25 @ 1Ft	—	1152	
FL#26 @ 1Ft	—	2588	
FL#27 @ 1Ft	—	2588/9824	
FL#28 @ 1Ft	—	2588	
FL#29 @ 1Ft	—	2588	
FL#21 @ 2Ft	—	444	
FL#20 @ 2Ft	—	316	
FL#19 @ 2Ft	—	444	
FL#18 @ 2Ft	—	444	
NW#3 DEF @ 1Ft	—	356	
FL#17 @ 2Ft	—	444	
FL#26 @ 2Ft	—	188	
FL#28 @ 2Ft	—	188	
FL#25 @ 2Ft	—	444	
FL#27 @ 2Ft	—	444	
FL#24 @ 2Ft	—	592	
FL#23 @ 2Ft	—	648	
SW3 DEF @ Surface	—	1640	
FL#24 @ 3Ft	—	444	
FL#23 @ 3Ft	—	444	
FL#22 @ 2Ft	—	444	
EW#4	—	356	
FL#22 @ 3Ft	—	444	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas





## Sample Log

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

Project: \_\_\_\_\_

Project Number: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Sample ID	PID/Odor	Chloride Conc.	GPS
FL#13	—	444	
FL#16	—	444	
SW3 DEF @ 1ft	—	1540	
SW3 DEF @ 2ft	—	1072	
WW4 DEF @ Surface	—	0588	
FL#40 @ 1ft	—	<del>1888</del> 664	
FL#45 @ 1ft	—	920	
FL#44 @ 1ft	—	1528	
FL#43 @ 1ft	—	2588	
FL#42 @ 1ft	—	2588	
FL#41 @ 1ft	—	2588	
FL#40 @ 1ft	—	2588	
FL#45 @ 2ft	—	768	
FL#44 @ 3ft	—	356	
FL#43 @ 4ft	—	2588	
FL#45 @ 2'	—	540	
FL#44 @ 2'	—	356	
<del>FL#43 @ 2'</del>	—	944	
FL#42 @ 2'	—	900	
FL#40 @ 2'	—	908	
FL#43 @ 3'	—	116	
FL#42 @ 3'	—	168	
FL#40 @ 3'	—	444	
FL#42 @ 4'	—	768	
FL#42 @ 5'	—	444	
FL#41 @ 2'	—	900	
FL#41 @ 3'	—	248	
FL#52 @ 1'	—	900	
FL#53 @ 1'	—	900	
<del>FL#54 @ 1'</del>	—	900	
FL#51 @ 1'	—	972	
FL#50 @ 1' 56	—	444	
FL#57 @ 1'	—	<del>1888</del> 396	
FL#54 @ 1'	—	188	
FL#55 @ 1'	—	188	
FL#48 @ 1'	—	2588	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas





## Sample Log

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

Project: \_\_\_\_\_

Project Number: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Sample ID	PID/Odor	Chloride Conc.	GPS
FL# 49 @ 1'	—	2588	
FL# 47 @ 2'	—	1816	
FL# 48 @ 2'	—	1816	
FL# 49 @ 2'	—	592	
FL# 50 @ 1'	—	2588	
FL# 50 @ 2'	—	592	
FL# 52 @ 1'	—	356	
EW# 5	—	188	
NW# 3	—	356	
FL# 59 @ 1'	—	356	
FL# 47 @ 3'	—	416	
FL# 49 @ 3'	—	444	
FL# 53 @ 2'	—	144	
FL# 52 @ 2'	—	228	
FL# 60 @ 1'	—	988	
FL# 61 @ 1'	—	200	
FL# 62 @ 1'	—	612	
FL# 60 @ 2'	—	1328	
FL# 62 @ 2Ft 62	—	612	
FL# 48 @ 3Ft	—	356	
FL# 50 @ 3Ft	—	396	
FL# 60 @ 3Ft	—	356	
FL# 62 @ 3Ft	—	356	
FL# 63 @ 1Ft	—	1816	
FL# 63 @ 2Ft	—	356	
FL# 64 @ 2Ft	—	356	
FL# 65 @ 1Ft	—	108	
FL# 66 @ 1Ft	—	248	
NW# 4	—	188	
FL# 68 @ 1Ft	—	188	
FL# 69 @ 1Ft	—	216	
FL# 70 @ 1Ft	—	768	
FL# 71 @ 1Ft	—	216	
FL# 72 @ 1Ft	—	188	
FL# 73 @ 1Ft	—	444	
FL# 73 @ 2Ft	—	356	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



## Sample Log

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

Project: \_\_\_\_\_

Project Number: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Sample ID	PID/Odor	Chloride Conc.	GPS
FL#74 @ 1 Ft	—	216	
FL#75 @ 1 Ft	—	188	
FL#76 @ 1 Ft	—	<del>188</del> 768	
FL#76 @ 2 Ft	—	ND	
FL#77 @ 1 Ft	—	356	
FL#77 @ 1 Ft	—	248	
FL#78 @ 1 Ft	—	316	
FL#79 @ 1 Ft	—	280	
NW#5	—	444	
FL#80 @ 1 Ft	—	356	
FL#81 @ 1 Ft	—	768	
FL#82 @ 1 Ft	—	768	
FL#83 @ 1 Ft	—	708	
FL#84 @ 1 Ft	—	832	
FL#85 @ 1 Ft	—	698	
FL#81 @ 2 Ft	—	280	
FL#82 @ 2 Ft	—	316	
FL#83 @ 2 Ft	—	316	
FL#84 @ 2 Ft	—	280	
FL#85 @ 2 Ft	—	188	
WW#6	—	164	
SW#4	—	248	
WH#2	—	280	
SH#2	—	188	
<del>WH#2</del> WH#3	—	164	
<del>WH#2</del>	—	<del>164</del>	
SW#5	—	768	
WW#7	—	972	
WH#1	—	280	
<del>SH#1</del> SH#1	—	188	
<del>SW#5</del> SH-3	—	356	
FL#6 DEF	—	2588	
WW#7 DEF	—	2588	
EH#1	—	164	
WH#1	—	264	
SW#6 DEF	—	900	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

Resamples = SP #1 @ 5b or SW #1b

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

GPS Sample Points, Center of Comp Areas

## **Appendix C**

### **Laboratory Analytical Reports**



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

September 06, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP BLEEDER

Enclosed are the results of analyses for samples received by the laboratory on 08/31/23 17:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/31/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 08/31/2023  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Brandi Bautista

**Sample ID: FL # 1 @ 2FT (H234758-01)**

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	09/05/2023	ND	2.00	99.9	2.00	1.07		
Toluene*	<0.050	0.050	09/05/2023	ND	1.90	95.0	2.00	2.16		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	1.95	97.6	2.00	1.43		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	5.87	97.8	6.00	0.337		
Total BTX	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	09/05/2023	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	09/05/2023	ND	180	89.9	200	0.785	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	174	87.1	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/31/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 08/31/2023  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Brandi Bautista

**Sample ID: FL # 2 @ 2FT (H234758-02)**

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	09/05/2023	ND	2.00	99.9	2.00	1.07		
Toluene*	<0.050	0.050	09/05/2023	ND	1.90	95.0	2.00	2.16		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	1.95	97.6	2.00	1.43		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	5.87	97.8	6.00	0.337		
Total BTEx	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/05/2023	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	09/05/2023	ND	180	89.9	200	0.785	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	174	87.1	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/31/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 08/31/2023  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Brandi Bautista

**Sample ID: FL # 3 @ 2FT (H234758-03)**

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	09/05/2023	ND	2.00	99.9	2.00	1.07		
Toluene*	<0.050	0.050	09/05/2023	ND	1.90	95.0	2.00	2.16		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	1.95	97.6	2.00	1.43		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	5.87	97.8	6.00	0.337		
Total BTEX	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/05/2023	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	09/05/2023	ND	180	89.9	200	0.785	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	174	87.1	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/31/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 08/31/2023  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Brandi Bautista

**Sample ID: FL # 4 @ 2FT (H234758-04)**

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	09/05/2023	ND	2.00	99.9	2.00	1.07	
Toluene*	<0.050	0.050	09/05/2023	ND	1.90	95.0	2.00	2.16	
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	1.95	97.6	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/05/2023	ND	5.87	97.8	6.00	0.337	
Total BTX	<0.300	0.300	09/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/05/2023	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	09/05/2023	ND	180	89.9	200	0.785	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	174	87.1	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/31/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 08/31/2023  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Brandi Bautista

**Sample ID: SW 1 (H234758-05)**

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	09/05/2023	ND	2.00	99.9	2.00	1.07	
Toluene*	<0.050	0.050	09/05/2023	ND	1.90	95.0	2.00	2.16	
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	1.95	97.6	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/05/2023	ND	5.87	97.8	6.00	0.337	
Total BTEX	<0.300	0.300	09/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	09/05/2023	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	09/05/2023	ND	180	89.9	200	0.785	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	174	87.1	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/31/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 08/31/2023  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Brandi Bautista

**Sample ID: WW 2 (H234758-07)**

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	09/05/2023	ND	2.00	99.9	2.00	1.07	
Toluene*	<0.050	0.050	09/05/2023	ND	1.90	95.0	2.00	2.16	
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	1.95	97.6	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/05/2023	ND	5.87	97.8	6.00	0.337	
Total BTEX	<0.300	0.300	09/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	09/05/2023	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	09/05/2023	ND	180	89.9	200	0.785	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	174	87.1	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/31/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 08/31/2023  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Brandi Bautista

**Sample ID: EW 1 (H234758-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2023	ND	2.00	99.9	2.00	1.07	
Toluene*	<0.050	0.050	09/05/2023	ND	1.90	95.0	2.00	2.16	
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	1.95	97.6	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/05/2023	ND	5.87	97.8	6.00	0.337	
Total BTEX	<0.300	0.300	09/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	09/05/2023	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	09/05/2023	ND	180	89.9	200	0.785	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	174	87.1	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/31/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 08/31/2023  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Brandi Bautista

**Sample ID: EW 2 (H234758-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2023	ND	2.00	99.9	2.00	1.07	
Toluene*	<0.050	0.050	09/05/2023	ND	1.90	95.0	2.00	2.16	
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	1.95	97.6	2.00	1.43	
Total Xylenes*	<0.150	0.150	09/05/2023	ND	5.87	97.8	6.00	0.337	
Total BTEX	<0.300	0.300	09/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/05/2023	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	09/05/2023	ND	180	89.9	200	0.785	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	174	87.1	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
<b>Project Manager:</b> Joel Court				P.O.#:											
<b>Address:</b> P.O. Box 301				<b>Company:</b> Goodnight midtown											
<b>City:</b> Lovington	<b>State:</b> NM	<b>Zip:</b> 88260													
<b>Phone #:</b> (575) 396-2378	<b>Fax #:</b> (575) 396-1429			<b>Attn:</b> Adrian											
<b>Project #:</b> 18557	<b>Project Owner:</b>			<b>Address:</b>											
<b>Project Name:</b> Jalapeno C.R.P Bleeder				<b>City:</b>											
<b>Project Location:</b>				<b>State:</b>	<b>Zip:</b>										
<b>Sampler Name:</b> Aaron/Martin				<b>Phone #:</b>											
<b>Fax #:</b>															

FOR LAB USE ONLY		(G/RAB OR (C)OMP.)	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	Chloride	TPH (8015M)	BTEX (8021B)												
Lab I.D.	Sample I.D.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE															OTHER :
H234758		X																			
1 FL # 1. @ 2Ft		X			X				X		8-3-23		X	X	X						
2 FL # 2. @ 2Ft		X			X				X				X	X	X						
3 FL # 3. @ 2Ft		X			X				X				X	X	X						
4 FL # 4. @ 2Ft		X			X				X				X	X	X						
5 SW 1.		X			X				X				X	X	X						
6 WW 1.		X			X				X				X	X	X						
7 WW 2.		X			X				X				X	X	X						
8 EW 1.		X			X				X				X	X	X						
9 EW 2.		X			X				X				X	X	X						

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<b>Relinquished By:</b>  Aaron/Martin	Date: Time:	<b>Received By:</b>  Blundi Bautista	Phone Result:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Add'l Phone #:
	Date: Time:		Fax Result:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Add'l Fax #:
	Date:		<b>REMARKS:</b>			
	Date:					

Please email results to pm@etechenv.com.

<b>Delivered By:</b> (Circle One) Sampler UPS - Bus - Other:	<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> (Initials) BPD 3.3°
---	---	--



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

September 06, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP BLEEDER

Enclosed are the results of analyses for samples received by the laboratory on 09/01/23 16:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 09/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #5 @ 2FT (H234777-01)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46	
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1	
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56	
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60	
Total BTEx	<0.300	0.300	09/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

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	09/05/2023	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	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 09/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW 2. (H234777-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46		
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60		
Total BTEx	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/05/2023	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	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 09/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: NW 1 (H234777-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46		
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60		
Total BTEX	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-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	09/05/2023	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	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 09/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #6 @ 1FT (H234777-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46		
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60		
Total BTEx	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/05/2023	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	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 09/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #7 @ 1FT (H234777-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46		
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60		
Total BTEx	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	09/05/2023	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	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 09/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #8 @ 2FT (H234777-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46		
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60		
Total BTEX	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-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	09/05/2023	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	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 09/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #9 @ 1FT (H234777-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46		
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60		
Total BTEX	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

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	09/05/2023	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	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 09/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #10 @ 1FT (H234777-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46		
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60		
Total BTEX	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

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	09/05/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 09/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #12 @ 1FT (H234777-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46		
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60		
Total BTEX	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	09/05/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/01/2023  
 Reported: 09/06/2023  
 Project Name: JALAPENO CRP BLEEDER  
 Project Number: 18557  
 Project Location: GOODNIGHT MIDSTREAM

Sampling Date: 08/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: WW #1 (H234777-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2023	ND	1.96	98.0	2.00	4.46		
Toluene*	<0.050	0.050	09/05/2023	ND	1.94	97.2	2.00	10.1		
Ethylbenzene*	<0.050	0.050	09/05/2023	ND	2.02	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	09/05/2023	ND	6.00	100	6.00	4.60		
Total BTEx	<0.300	0.300	09/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

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	09/05/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2023	ND	198	99.0	200	1.43	
DRO >C10-C28*	<10.0	10.0	09/05/2023	ND	200	99.9	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	09/05/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

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**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc. <b>Project Manager:</b> Joel Lamy <b>Address:</b> P.O. Box 301 <b>City:</b> Lovington <del>18557</del> <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429 <b>Project #:</b> 18557 <b>Project Owner:</b> <b>Project Name:</b> Jaleño C.R.P Blender <b>Project Location:</b> <b>Sampler Name:</b> Aaron / Martin				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Goodnight Midstream <b>Attn:</b> Orion <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>																	
<b>FOR LAB USE ONLY</b>  <b>Lab I.D.</b> H234777		<b>Sample I.D.</b>		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV.</b> ACID/BASE: ICE / COOL OTHER:		<b>SAMPLING</b> DATE TIME		Chloride TPH (8015M) BTEX (8021B)															
1 FL #5. @ 2ft		X		X		X		9-1-23		X		X		X											
2 SW 2.		X		X		X		1		X		X		X											
3 NW 1.		X		X		X		1		X		X		X											
4 FL #6. @ 1ft		X		X		X		1		X		X		X											
5 FL #7. @ 1ft		X		X		X		1		X		X		X											
6 FL #8. @ 2ft		X		X		X		1		X		X		X											
7 FL #9. @ 1ft		X		X		X		V		X		X		X											
8 FL #10. @ 1ft		X		X		X		V		X		X		X											
9 FL #12. @ 1ft		X		X		X		9-1-23		X		X		X											
10 WW #1.		X		X		X		8-31-23		X		X		X											

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<b>Relinquished By:</b> Aaron / Martin <b>Date:</b> 9/1/23 <b>Time:</b> 16:27		<b>Received By:</b> [Signature] <b>Date:</b> <b>Time:</b>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b> <b>REMARKS:</b>	
<b>Delivered By: (Circle One)</b> Sampler <input checked="" type="radio"/> UPS <input type="radio"/> Bus <input type="radio"/> Other:		<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>CHECKED BY:</b> (Initials) [Signature]	

Please email results to pm@etechenv.com.

#140

FORM-006  
Revision 1.0

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



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

---

September 27, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO

Enclosed are the results of analyses for samples received by the laboratory on 09/07/23 16:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL # 14 @ 2FT	H234867-01	Soil	07-Sep-23 16:15	07-Sep-23 16:26
FL # 15 @ 2FT	H234867-02	Soil	07-Sep-23 16:15	07-Sep-23 16:26
FL # 18 @ 2FT	H234867-03	Soil	07-Sep-23 16:15	07-Sep-23 16:26
FL # 19 @ 2FT	H234867-04	Soil	07-Sep-23 16:15	07-Sep-23 16:26
FL # 21 @ 2FT	H234867-05	Soil	07-Sep-23 16:15	07-Sep-23 16:26
FL # 11 @ 2FT	H234867-06	Soil	07-Sep-23 16:15	07-Sep-23 16:26
FL # 20 @ 2FT	H234867-07	Soil	07-Sep-23 16:15	07-Sep-23 16:26
EW 3	H234867-08	Soil	07-Sep-23 16:15	07-Sep-23 16:26
NW # 2	H234867-09	Soil	07-Sep-23 16:15	07-Sep-23 16:26
EW # 3	H234867-10	Soil	07-Sep-23 16:15	07-Sep-23 16:26

09/27/23 - Client added BTEX on 09/25/23 (see COC). This is the revised report and will replace the one sent on 09/12/23.

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**FL # 14 @ 2FT**  
**H234867-01 (Soil)**

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

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	3090827	AC	08-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134 3092612 MS 26-Sep-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	
<b>DRO &gt;C10-C28*</b>	<b>10.2</b>		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	

Surrogate: 1-Chlorooctane 86.4 % 48.2-134 3090802 MS 08-Sep-23 8015B

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148 3090802 MS 08-Sep-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**FL # 15 @ 2FT****H234867-02 (Soil)**

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

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	3090827	AC	08-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	3092612	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B

Surrogate: 1-Chlorooctane	93.3 %	48.2-134	3090802	MS	08-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	111 %	49.1-148	3090802	MS	08-Sep-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**FL # 18 @ 2FT****H234867-03 (Soil)**

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

<b>Chloride</b>	<b>272</b>		16.0	mg/kg	4	3091104	AC	11-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	3092612	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B

Surrogate: 1-Chlorooctane	91.8 %	48.2-134	3090802	MS	08-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	108 %	49.1-148	3090802	MS	08-Sep-23	8015B
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**FL # 19 @ 2FT****H234867-04 (Soil)**

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

<b>Chloride</b>	<b>304</b>		16.0	mg/kg	4	3091104	AC	11-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	3092612	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B

Surrogate: 1-Chlorooctane	88.3 %	48.2-134	3090802	MS	08-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	103 %	49.1-148	3090802	MS	08-Sep-23	8015B
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**FL # 21 @ 2FT**  
**H234867-05 (Soil)**

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

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	3091104	AC	11-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	3092612	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B

Surrogate: 1-Chlorooctane	85.1 %	48.2-134	3090802	MS	08-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	103 %	49.1-148	3090802	MS	08-Sep-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**FL # 11 @ 2FT****H234867-06 (Soil)**

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

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	3091104	AC	11-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	3092612	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B

Surrogate: 1-Chlorooctane	80.5 %	48.2-134	3090802	MS	08-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	92.4 %	49.1-148	3090802	MS	08-Sep-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**FL # 20 @ 2FT**  
**H234867-07 (Soil)**

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

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	3091104	AC	11-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	3092612	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B

Surrogate: 1-Chlorooctane	85.9 %	48.2-134	3090802	MS	08-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	104 %	49.1-148	3090802	MS	08-Sep-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**EW 3**  
**H234867-08 (Soil)**

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

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	3091104	AC	11-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %		71.5-134	3092612	MS	26-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	

Surrogate: 1-Chlorooctane			84.1 %		48.2-134	3090802	MS	08-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			96.4 %		49.1-148	3090802	MS	08-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**NW # 2****H234867-09 (Soil)**

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

Chloride	128		16.0	mg/kg	4	3091104	AC	11-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3092612	MS	26-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	

Surrogate: 1-Chlorooctane			80.5 %	48.2-134		3090802	MS	08-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			96.0 %	49.1-148		3090802	MS	08-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**EW # 3****H234867-10 (Soil)**

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

Chloride	48.0		16.0	mg/kg	4	3091104	AC	11-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3092612	MS	26-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090802	MS	08-Sep-23	8015B	

Surrogate: 1-Chlorooctane			107 %	48.2-134		3090802	MS	08-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			130 %	49.1-148		3090802	MS	08-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3090827 - 1:4 DI Water</b>									
<b>Blank (3090827-BLK1)</b>				Prepared & Analyzed: 08-Sep-23					
Chloride	ND	16.0	mg/kg						
<b>LCS (3090827-BS1)</b>				Prepared & Analyzed: 08-Sep-23					
Chloride	432	16.0	mg/kg	400		108	80-120		
<b>LCS Dup (3090827-BSD1)</b>				Prepared & Analyzed: 08-Sep-23					
Chloride	400	16.0	mg/kg	400		100	80-120	7.69	20
<b>Batch 3091104 - 1:4 DI Water</b>									
<b>Blank (3091104-BLK1)</b>				Prepared & Analyzed: 11-Sep-23					
Chloride	ND	16.0	mg/kg						
<b>LCS (3091104-BS1)</b>				Prepared & Analyzed: 11-Sep-23					
Chloride	432	16.0	mg/kg	400		108	80-120		
<b>LCS Dup (3091104-BSD1)</b>				Prepared & Analyzed: 11-Sep-23					
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**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 3092612 - Volatiles****Blank (3092612-BLK1)**

Prepared &amp; Analyzed: 26-Sep-23

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)	0.0549		mg/kg	0.0500		110	71.5-134			

**LCS (3092612-BS1)**

Prepared &amp; Analyzed: 26-Sep-23

Benzene	1.83	0.050	mg/kg	2.00		91.4	82.8-130			
Toluene	1.88	0.050	mg/kg	2.00		94.2	86-128			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.4	85.9-128			
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.8	89-129			
o-Xylene	1.85	0.050	mg/kg	2.00		92.6	86.1-125			
Total Xylenes	5.73	0.150	mg/kg	6.00		95.4	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	71.5-134			

**LCS Dup (3092612-BSD1)**

Prepared &amp; Analyzed: 26-Sep-23

Benzene	1.84	0.050	mg/kg	2.00		91.8	82.8-130	0.458	15.8	
Toluene	1.92	0.050	mg/kg	2.00		95.8	86-128	1.67	15.9	
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.7	85.9-128	1.37	16	
m,p-Xylene	3.92	0.100	mg/kg	4.00		98.0	89-129	1.20	16.2	
o-Xylene	1.87	0.050	mg/kg	2.00		93.7	86.1-125	1.11	16.7	
Total Xylenes	5.79	0.150	mg/kg	6.00		96.6	88.2-128	1.17	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0527		mg/kg	0.0500		105	71.5-134			

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 10:59

**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 3090802 - General Prep - Organics****Blank (3090802-BLK1)**

Prepared &amp; Analyzed: 08-Sep-23

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	56.5		mg/kg	50.0		113	48.2-134			
Surrogate: 1-Chlorooctadecane	68.4		mg/kg	50.0		137	49.1-148			

**LCS (3090802-BS1)**

Prepared &amp; Analyzed: 08-Sep-23

GRO C6-C10	216	10.0	mg/kg	200		108	66.4-123			
DRO >C10-C28	236	10.0	mg/kg	200		118	66.5-118			
Total TPH C6-C28	452	10.0	mg/kg	400		113	77.6-123			
Surrogate: 1-Chlorooctane	55.4		mg/kg	50.0		111	48.2-134			
Surrogate: 1-Chlorooctadecane	65.3		mg/kg	50.0		131	49.1-148			

**LCS Dup (3090802-BSD1)**

Prepared &amp; Analyzed: 08-Sep-23

GRO C6-C10	211	10.0	mg/kg	200		106	66.4-123	2.29	17.7	
DRO >C10-C28	227	10.0	mg/kg	200		113	66.5-118	3.95	21	
Total TPH C6-C28	438	10.0	mg/kg	400		110	77.6-123	3.15	18.5	
Surrogate: 1-Chlorooctane	57.0		mg/kg	50.0		114	48.2-134			
Surrogate: 1-Chlorooctadecane	65.2		mg/kg	50.0		130	49.1-148			

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

I-03	This result was extracted outside of the EPA recommended holding time of 14 days.
I-02	This result was analyzed outside of the EPA recommended holding time.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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**

Page 17 of 17

Company Name: Etech Environmental & Safety Solutions, Inc.		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																														
Project Manager:		P.O. #:		<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B) <i>added 9-25-23</i></div> </div>																														
Address: P.O. Box 301		Company:																																
City: Lovington State: NM Zip: 88260		Attn:																																
Phone #: (575) 396-2378 Fax #: (575) 396-1429		Address:																																
Project #:		City:																																
Project Name: <i>Salapena</i>		State: Zip:																																
Project Location:		Phone #:																																
Sampler Name: <i>Martin Sepulveda Jr</i>		Fax #:																																
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																										
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME																				
<i>H234867</i>																																		
	<i>1 FL#14 @ 2ft</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/	<i>X</i>																	
	<i>2 FL#15 @ 2ft</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/																		
	<i>3 FL#18 @ 2ft</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/																		
	<i>4 FL#19 @ 2ft</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/																		
	<i>5 FL#21 @ 2ft</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/																		
	<i>6 FL#11 @ 2ft</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/																		
	<i>7 FL#20 @ 2ft</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/																		
	<i>8 EW3</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/																		
	<i>9 NW#2</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/																		
	<i>10 EW#3</i>					/				/			<i>9-7-23</i>	<i>4:15</i>	/	/																		
<p>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.</p>																																		
Relinquished By:		Date: <i>9-7-23</i>		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																										
<i>Martin Sepulveda Jr</i>		Time: <i>4:20 pm</i>		<i>Amara Olden</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																										
Relinquished By:		Date:		Received By:		REMARKS:																												
		Time:																																
Delivered By: (Circle One)		#140		Sample Condition:		CHECKED BY: (Initials)																												
Sampler - UPS - Bus - Other:		<i>0.8E</i>		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		<i>JS</i>																												
				Yes <input type="checkbox"/> No <input type="checkbox"/>																														
				Yes <input type="checkbox"/> No <input type="checkbox"/>																														

FORM-006  
Revision 1.0

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



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

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September 27, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO

Enclosed are the results of analyses for samples received by the laboratory on 09/08/23 16:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at

[www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 3 DEF @ SURFACE	H234892-01	Soil	08-Sep-23 15:00	08-Sep-23 16:19
FL # 25 @ 2 FT	H234892-02	Soil	08-Sep-23 15:00	08-Sep-23 16:19
FL # 27 @ 2 FT	H234892-03	Soil	08-Sep-23 15:00	08-Sep-23 16:19
FL # 26 @ 2 FT	H234892-04	Soil	08-Sep-23 15:00	08-Sep-23 16:19
FL # 17 @ 2 FT	H234892-05	Soil	08-Sep-23 15:00	08-Sep-23 16:19
FL # 28 @ 2 FT	H234892-06	Soil	08-Sep-23 15:00	08-Sep-23 16:19
WW3 DEF @ 1FT	H234892-07	Soil	08-Sep-23 15:00	08-Sep-23 16:19

09/27/23 - Client added BTEX to all samples on 09/25/23 (see COC). This is the revised report and will replace the one sent on 09/13/23.

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**SW 3 DEF @ SURFACE**  
**H234892-01 (Soil)**

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

<b>Chloride</b>	<b>1840</b>		16.0	mg/kg	4	3091211	AC	13-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092612	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092612	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	3092612	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B

Surrogate: 1-Chlorooctane	93.3 %	48.2-134	3091206	MS	12-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	106 %	49.1-148	3091206	MS	12-Sep-23	8015B
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**FL # 25 @ 2 FT****H234892-02 (Soil)**

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

<b>Chloride</b>	<b>320</b>		16.0	mg/kg	4	3091211	AC	13-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	114 %	71.5-134	3092614	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B

Surrogate: 1-Chlorooctane	85.3 %	48.2-134	3091206	MS	12-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	96.4 %	49.1-148	3091206	MS	12-Sep-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**FL # 27 @ 2 FT****H234892-03 (Soil)**

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

<b>Chloride</b>	<b>320</b>		16.0	mg/kg	4	3091211	AC	13-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	3092614	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B

Surrogate: 1-Chlorooctane	80.1 %	48.2-134	3091206	MS	12-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	90.4 %	49.1-148	3091206	MS	12-Sep-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**FL # 26 @ 2 FT****H234892-04 (Soil)**

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

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	3091211	AC	13-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	116 %	71.5-134	3092614	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B

Surrogate: 1-Chlorooctane	81.3 %	48.2-134	3091206	MS	12-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	92.5 %	49.1-148	3091206	MS	12-Sep-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**FL # 17 @ 2 FT****H234892-05 (Soil)**

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

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	3091211	AC	13-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	116 %	71.5-134	3092614	MS	26-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B

Surrogate: 1-Chlorooctane	79.8 %	48.2-134	3091206	MS	12-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	90.8 %	49.1-148	3091206	MS	12-Sep-23	8015B
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**FL # 28 @ 2 FT****H234892-06 (Soil)**

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

<b>Chloride</b>	<b>92.0</b>		16.0	mg/kg	4	3091211	AC	13-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	3092614	MS	26-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091206	MS	12-Sep-23	8015B	

Surrogate: 1-Chlorooctane			82.4 %		48.2-134	3091206	MS	12-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			92.3 %		49.1-148	3091206	MS	12-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**WW3 DEF @ 1FT****H234892-07 (Soil)**

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

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	3091211	AC	13-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****I-02, I-03**

Benzene*	<0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		115 %		71.5-134		3092614	MS	26-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3090908	MS	12-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3090908	MS	12-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3090908	MS	12-Sep-23	8015B	

Surrogate: 1-Chlorooctane		92.9 %		48.2-134		3090908	MS	12-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane		95.9 %		49.1-148		3090908	MS	12-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3091211 - 1:4 DI Water</b>									
<b>Blank (3091211-BLK1)</b>				Prepared & Analyzed: 12-Sep-23					
Chloride	ND	16.0	mg/kg						
<b>LCS (3091211-BS1)</b>				Prepared & Analyzed: 12-Sep-23					
Chloride	448	16.0	mg/kg	400		112	80-120		
<b>LCS Dup (3091211-BSD1)</b>				Prepared & Analyzed: 12-Sep-23					
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**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 3092612 - Volatiles****Blank (3092612-BLK1)**

Prepared &amp; Analyzed: 26-Sep-23

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)	0.0549		mg/kg	0.0500		110	71.5-134			

**LCS (3092612-BS1)**

Prepared &amp; Analyzed: 26-Sep-23

Benzene	1.83	0.050	mg/kg	2.00		91.4	82.8-130			
Toluene	1.88	0.050	mg/kg	2.00		94.2	86-128			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.4	85.9-128			
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.8	89-129			
o-Xylene	1.85	0.050	mg/kg	2.00		92.6	86.1-125			
Total Xylenes	5.73	0.150	mg/kg	6.00		95.4	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	71.5-134			

**LCS Dup (3092612-BSD1)**

Prepared &amp; Analyzed: 26-Sep-23

Benzene	1.84	0.050	mg/kg	2.00		91.8	82.8-130	0.458	15.8	
Toluene	1.92	0.050	mg/kg	2.00		95.8	86-128	1.67	15.9	
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.7	85.9-128	1.37	16	
m,p-Xylene	3.92	0.100	mg/kg	4.00		98.0	89-129	1.20	16.2	
o-Xylene	1.87	0.050	mg/kg	2.00		93.7	86.1-125	1.11	16.7	
Total Xylenes	5.79	0.150	mg/kg	6.00		96.6	88.2-128	1.17	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0527		mg/kg	0.0500		105	71.5-134			

**Batch 3092614 - Volatiles****Blank (3092614-BLK1)**

Prepared &amp; Analyzed: 26-Sep-23

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							

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**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 3092614 - Volatiles****Blank (3092614-BLK1)**

Prepared &amp; Analyzed: 26-Sep-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0557		mg/kg	0.0500		111	71.5-134			

**LCS (3092614-BS1)**

Prepared &amp; Analyzed: 26-Sep-23

Benzene	2.05	0.050	mg/kg	2.00		103	82.8-130			
Toluene	2.16	0.050	mg/kg	2.00		108	86-128			
Ethylbenzene	2.42	0.050	mg/kg	2.00		121	85.9-128			
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	89-129			
o-Xylene	1.98	0.050	mg/kg	2.00		99.2	86.1-125			
Total Xylenes	6.03	0.150	mg/kg	6.00		100	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	71.5-134			

**LCS Dup (3092614-BS1)**

Prepared &amp; Analyzed: 26-Sep-23

Benzene	2.03	0.050	mg/kg	2.00		102	82.8-130	0.976	15.8	
Toluene	2.13	0.050	mg/kg	2.00		107	86-128	1.27	15.9	
Ethylbenzene	2.36	0.050	mg/kg	2.00		118	85.9-128	2.35	16	
m,p-Xylene	3.90	0.100	mg/kg	4.00		97.4	89-129	3.70	16.2	
o-Xylene	1.97	0.050	mg/kg	2.00		98.6	86.1-125	0.627	16.7	
Total Xylenes	5.87	0.150	mg/kg	6.00		97.8	88.2-128	2.68	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0524		mg/kg	0.0500		105	71.5-134			

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**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 3090908 - General Prep - Organics****Blank (3090908-BLK1)**

Prepared: 09-Sep-23 Analyzed: 12-Sep-23

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	49.2		mg/kg	50.0		98.3	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			

**LCS (3090908-BS1)**

Prepared: 09-Sep-23 Analyzed: 12-Sep-23

GRO C6-C10	190	10.0	mg/kg	200		94.8	66.4-123			
DRO >C10-C28	184	10.0	mg/kg	200		92.0	66.5-118			
Total TPH C6-C28	374	10.0	mg/kg	400		93.4	77.6-123			
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.0		97.1	48.2-134			
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0		98.9	49.1-148			

**LCS Dup (3090908-BS1)**

Prepared: 09-Sep-23 Analyzed: 12-Sep-23

GRO C6-C10	200	10.0	mg/kg	200		100	66.4-123	5.41	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.7	66.5-118	8.05	21	
Total TPH C6-C28	399	10.0	mg/kg	400		99.9	77.6-123	6.72	18.5	
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.0		97.0	48.2-134			
Surrogate: 1-Chlorooctadecane	48.8		mg/kg	50.0		97.6	49.1-148			

**Batch 3091206 - General Prep - Organics****Blank (3091206-BLK1)**

Prepared &amp; Analyzed: 12-Sep-23

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	44.6		mg/kg	50.0		89.3	48.2-134			
Surrogate: 1-Chlorooctadecane	53.2		mg/kg	50.0		106	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
27-Sep-23 11:05

**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 3091206 - General Prep - Organics****LCS (3091206-BS1)**

Prepared &amp; Analyzed: 12-Sep-23

GRO C6-C10	199	10.0	mg/kg	200		99.5	66.4-123			
DRO >C10-C28	206	10.0	mg/kg	200		103	66.5-118			
Total TPH C6-C28	405	10.0	mg/kg	400		101	77.6-123			
Surrogate: 1-Chlorooctane	43.6		mg/kg	50.0		87.1	48.2-134			
Surrogate: 1-Chlorooctadecane	47.9		mg/kg	50.0		95.7	49.1-148			

**LCS Dup (3091206-BS1)**

Prepared &amp; Analyzed: 12-Sep-23

GRO C6-C10	212	10.0	mg/kg	200		106	66.4-123	6.40	17.7	
DRO >C10-C28	208	10.0	mg/kg	200		104	66.5-118	0.978	21	
Total TPH C6-C28	420	10.0	mg/kg	400		105	77.6-123	3.68	18.5	
Surrogate: 1-Chlorooctane	44.0		mg/kg	50.0		88.0	48.2-134			
Surrogate: 1-Chlorooctadecane	47.0		mg/kg	50.0		94.0	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

I-03	This result was extracted outside of the EPA recommended holding time of 14 days.
I-02	This result was analyzed outside of the EPA recommended holding time.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

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

Page 16 of 16

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager:				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B) 9-25-23</div> </div>																					
Address: P.O. Box 301				Company: <u>Goodnight</u>																									
City: Lovington State: NM Zip: 88260				Attn:																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																									
Project #: Project Owner:				City:																									
Project Name: <u>Jalaparta</u>				State: Zip:																									
Project Location:				Phone #:																									
Sampler Name: <u>Martin Sepulveda Jr</u>				Fax #:																									
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																			
Lab I.D. <u>H234892</u>		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		Time		Date	
1		SW3 DEF@ surface																								3:00		9-8-23	
2		FL# 25@ 2Ft																								3:00		9-8-23	
3		FL# 29@ 2Ft																								3:00		9-8-23	
4		FL# 26@ 2Ft																								3:00		9-8-23	
5		FL# 19@ 2Ft																								3:00		9-8-23	
6		FL# 28@ 2Ft																								3:00		9-8-23	
7		SW3 DEF@ 1Ft																								3:00		9-8-23	
																										3:00		9-8-23	
																										3:00		9-8-23	
																										3:00		9-8-23	

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Relinquished By:		Date: 9-8-23		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Martin Sepulveda Jr		Time: 3:00		[Signature]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date: 9/8/23		Received By:		REMARKS:			
		Time: 16:19				* Analysis added 9/25/23.			
Delivered By: (Circle One)		33°C		Sample Condition		CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other:				Cool Intact		[Signature]			
				<input type="checkbox"/> Yes <input type="checkbox"/> No		#140			

Please email results to pm@etechenv.com.

FORM-006  
Revision 1.0

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



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

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September 26, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP BLEEDER RING OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 09/20/23 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/20/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #24 @ 3FT (H235116-01)**

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/21/2023	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	5.35	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	199	99.5	200	8.11	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/20/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: EW # 4 (H235116-02)**

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEx	<0.300	0.300	09/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	09/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	5.35	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	199	99.5	200	8.11	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/20/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #23 @ 3FT (H235116-03)**

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEx	<0.300	0.300	09/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	5.35	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	199	99.5	200	8.11	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	09/20/2023	Sampling Date:	09/18/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	JALAPENO CRP BLEEDER RING OUTLET	Sampling Condition:	Cool & Intact
Project Number:	18557	Sample Received By:	Dionica Hinojos
Project Location:	GOODNIGHT UL/ N SEC 19 T22S - R35E		

**Sample ID: FL #22 @ 2FT (H235116-04)**

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	09/22/2023	ND	2.01	101	2.00	2.09		
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58		
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11		
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88		
Total BTEX	<0.300	0.300	09/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	09/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	5.35	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	199	99.5	200	8.11	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/20/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #16 @ 3FT (H235116-05)**

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	09/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	5.35	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	199	99.5	200	8.11	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/20/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #13 @ 3FT (H235116-06)**

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEx	<0.300	0.300	09/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	09/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	5.35	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	199	99.5	200	8.11	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/20/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW 3 DEF @ 2FT (H235116-07)**

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	5.35	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	199	99.5	200	8.11	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/20/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #46 @ 3FT (H235116-08)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-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	09/21/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	5.35	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	199	99.5	200	8.11	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/20/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: FL #29 @ 3FT (H235116-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	09/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



---

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: Joel Lowry				P.O. #:																									
Address: 2617 W Marland Blvd				Company:																									
City: Hobbs		State: NM		Zip: 88240		Attn:																							
Phone #: 575-396-2378		Fax #: 575-396-1429		Address:		City:																							
Project #: 18557		Project Owner: Goodnight midstream Permian, LLC		State:		Zip:																							
Project Name: Jalapeno CRP Bleeder Ring Outlet				Phone #:																									
Project Location: UL/ N Sec 19 T22S - R35E				Fax #:																									
Sampler Name: Martin Sepulveda																													
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		Chloride		TPH		BTEX 8021											
H235716								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME	
1		FL#24 @ 3ft																											
2		FL#4																											
3		FL#23 @ 3ft																											
4		FL#22 @ 2ft																											
5		FL#16 @ 3ft																											
6		FL#13 @ 3ft																											
7		SW3 DEF @ 2ft																											
8		FL#46 @ 3ft																											
9		FL#29 @ 3ft																											

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Relinquished By:		Date: 9/18/23		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Martin Sepulveda		Time: 9:00		[Signature]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date: 9/20/23		Received By:		REMARKS: Email results to joel@etechenv.com			
		Time: 1:25							
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler: UPS - Bus - Other:				Cool Intact		(Initials)			
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		[Signature]			

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476  
FORM-006 R 2.0



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

---

September 26, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO

Enclosed are the results of analyses for samples received by the laboratory on 09/22/23 8:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW # 5 (H235145-01)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	1.93	96.7	2.00	1.34	
Toluene*	<0.050	0.050	09/23/2023	ND	1.99	99.5	2.00	2.80	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.13	106	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	6.38	106	6.00	3.25	
Total BTX	<0.300	0.300	09/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 58 @ 1 (H235145-02)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/23/2023	ND	1.93	96.7	2.00	1.34		
Toluene*	<0.050	0.050	09/23/2023	ND	1.99	99.5	2.00	2.80		
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.13	106	2.00	3.05		
Total Xylenes*	<0.150	0.150	09/23/2023	ND	6.38	106	6.00	3.25		
Total BTX	<0.300	0.300	09/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 47 @ 3 (H235145-03)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/23/2023	ND	1.93	96.7	2.00	1.34		
Toluene*	<0.050	0.050	09/23/2023	ND	1.99	99.5	2.00	2.80		
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.13	106	2.00	3.05		
Total Xylenes*	<0.150	0.150	09/23/2023	ND	6.38	106	6.00	3.25		
Total BTX	<0.300	0.300	09/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 41 @ 3 (H235145-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	0.626	
Toluene*	<0.050	0.050	09/22/2023	ND	2.22	111	2.00	1.49	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.41	121	2.00	2.19	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	7.19	120	6.00	2.16	
Total BTEX	<0.300	0.300	09/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 60 @ 3 (H235145-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	0.626		
Toluene*	<0.050	0.050	09/22/2023	ND	2.22	111	2.00	1.49		
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.41	121	2.00	2.19		
Total Xylenes*	<0.150	0.150	09/22/2023	ND	7.19	120	6.00	2.16		
Total BTEX	<0.300	0.300	09/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 59 @ 1 (H235145-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	0.626		
Toluene*	<0.050	0.050	09/22/2023	ND	2.22	111	2.00	1.49		
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.41	121	2.00	2.19		
Total Xylenes*	<0.150	0.150	09/22/2023	ND	7.19	120	6.00	2.16		
Total BTEx	<0.300	0.300	09/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 44 @ 2 (H235145-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626		
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49		
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19		
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16		
Total BTEX	<0.300	0.300	09/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 43 @ 3 (H235145-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626	
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16	
Total BTEX	<0.300	0.300	09/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 61 @ 1 (H235145-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626	
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16	
Total BTEX	<0.300	0.300	09/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW # 3 (H235145-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626		
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49		
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19		
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16		
Total BTEX	<0.300	0.300	09/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 62 @ 3 (H235145-11)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626	
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16	
Total BTEX	<0.300	0.300	09/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 53 @ 2 (H235145-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626		
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49		
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19		
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16		
Total BTEx	<0.300	0.300	09/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	209	104	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 56 @ 1 (H235145-13)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626	
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16	
Total BTEx	<0.300	0.300	09/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	200	99.8	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	220	110	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 57 @ 1 (H235145-14)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626	
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16	
Total BTEX	<0.300	0.300	09/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	200	99.8	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	220	110	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 48 @ 3 (H235145-15)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626		
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49		
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19		
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16		
Total BTX	<0.300	0.300	09/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	200	99.8	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	220	110	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 55 @ 1 (H235145-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626		
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49		
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19		
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16		
Total BTEX	<0.300	0.300	09/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	200	99.8	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	220	110	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 52 @ 2 (H235145-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626		
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49		
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19		
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16		
Total BTEX	<0.300	0.300	09/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	200	99.8	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	220	110	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 50 @ 3 (H235145-18)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626	
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16	
Total BTEX	<0.300	0.300	09/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	200	99.8	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	220	110	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 42 @ 5 (H235145-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626	
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16	
Total BTEX	<0.300	0.300	09/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	09/25/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	200	99.8	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	220	110	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/22/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 09/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 54 @ 1 (H235145-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.02	101	2.00	0.626	
Toluene*	<0.050	0.050	09/23/2023	ND	2.22	111	2.00	1.49	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.41	121	2.00	2.19	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	7.19	120	6.00	2.16	
Total BTEX	<0.300	0.300	09/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	09/25/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2023	ND	200	99.8	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/22/2023	ND	220	110	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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: Joel Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																			
Address: P.O. Box 301				Company:																							
City: Lovington State: NM Zip: 88260				Attn:																							
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																							
Project #: Project Owner:				City:																							
Project Name: Jalapeno				State: Zip:																							
Project Location:				Phone #: Fax #:																							
Sampler Name: Martin Sepulveda Jr				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING															
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER		ACID/BASE: ICE / COOL OTHER		DATE TIME															
H235145												9-14-28 3:00															
1		EW#5																									
2		FL#58@1																									
3		FL#47@3																									
4		FL#41@3																									
5		FL#60@3																									
6		FL#59@1																									
7		FL#44@2																									
8		FL#43@3																									
9		FL#61@1																									
10		FL#NW#3																									
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: Dana J. Hendon				Date: 9/22/2011		Received By: S. Rodriguez				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:													
Relinquished By:				Date:		Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:													
Time:				Time:						REMARKS:																	
Delivered By: (Circle One) - 1.42				Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) SR				Please email results to pm@etechenv.com.															
Sampler - UPS - Bus - Other: #140																											





**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: JACI LARRY				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																			
Address: P.O. Box 301				Company:																							
City: Lovington State: NM Zip: 88260				Attn:																							
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																							
Project #: Project Owner:				City:																							
Project Name: Jalapeno				State: Zip:																							
Project Location:				Phone #:																							
Sampler Name: Martin S. Rodriguez Jr.				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING																	
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME																	
11		FL#62@3								9-19-23 3:00																	
12		FL#53@2																									
13		FL#56@1																									
14		FL#57@1																									
15		FL#48@3																									
16		FL#55@1																									
17		FL#52@2																									
18		FL#50@3																									
19		FL#42@5																									
20		FL#54@1																									
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Relinquished By: [Signature]				Date: 9/22/23		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:													
Relinquished By:				Time: 0811						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:													
				Date:		Received By:				REMARKS:																	
				Time:																							
Delivered By: (Circle One) - 1.42				Sample Condition		CHECKED BY:				Please email results to pm@etechenv.com.																	
Sampler - UPS - Bus - Other: #140				Cool Intact		(Initials)																					
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		[Signature]																					



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

September 26, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP BLEEDER RING OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 09/25/23 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 63 @ 2' (H235214-01)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTEx	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 64 @ 2' (H235214-02)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTEx	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 65 @ 1' (H235214-03)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 66 @ 1' (H235214-04)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390	
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332	
Total BTX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 67 @ 1' (H235214-05)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 68 @ 1' (H235214-06)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 69 @ 1' (H235214-07)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 73 @ 2' (H235214-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 76 @ 2' (H235214-09)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 77 @ 1' (H235214-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 78 @ 1' (H235214-11)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 79 @ 1' (H235214-12)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	09/26/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 80 @ 1' (H235214-13)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 82 @ 2' (H235214-14)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 83 @ 2' (H235214-15)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW - 4 (H235214-16)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	09/26/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/25/2023  
 Reported: 09/26/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW - 5 (H235214-17)**

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	09/26/2023	ND	1.88	93.9	2.00	0.390		
Toluene*	<0.050	0.050	09/26/2023	ND	1.95	97.6	2.00	0.276		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.2	2.00	0.359		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.86	97.7	6.00	0.332		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	211	106	200	8.61	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	218	109	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Goodnight Midstream Permian, LLC						<b>BILL TO</b>						<b>ANALYSIS REQUEST</b>																
Project Manager: Joel Lowry						P.O. #:																						
Address: 2617 W Marland Blvd						Company: Goodnight																						
City: Hobbs State: NM Zip: 88240						Attn: Adrian Urquidi																						
Phone #: 575-396-2378 Fax #: 575-396-1429						Address:																						
Project #: 18557 Project Owner: Goodnight Midstream Permian, LLC						City:																						
Project Name: Jalapeno CRP Bleeder Ring Outlet						State: Zip:																						
Project Location: Rural Lea						Phone #:																						
Sampler Name: Martin Sepulveda, Jr.						Fax #:																						
FOR LAB USE ONLY																												
Lab I.D. <i>H235214</i>		Sample I.D.		(G)RAB OR (C)COMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING																		
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021									
1 FL - 63 @ 2'				G	1		X					X			9/22/23		X	X	X									
2 FL - 64 @ 2'				G	1		X					X			9/22/23		X	X	X									
3 FL - 65 @ 1'				G	1		X					X			9/22/23		X	X	X									
4 FL - 66 @ 1'				G	1		X					X			9/22/23		X	X	X									
5 FL - 67 @ 1'				G	1		X					X			9/22/23		X	X	X									
6 FL - 68 @ 1'				G	1		X					X			9/22/23		X	X	X									
7 FL - 69 @ 1'				G	1		X					X			9/22/23		X	X	X									
8 FL - 73 @ 2'				G	1		X					X			9/22/23		X	X	X									
9 FL - 76 @ 2'				G	1		X					X			9/22/23		X	X	X									
10 FL - 77 @ 1'				G	1		X					X			9/22/23		X	X	X									
<p>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.</p>																												
Relinquished By: Tamarah Kendirck				Date: 9/25/2023 Time: 1630		Received By: <i>[Signature]</i>				Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Add'l Phone #: Add'l Fax #:														
Relinquished By:				Date: Time:		Received By:				REMARKS: Email results to <a href="mailto:PM@ETECHENV.COM">PM@ETECHENV.COM</a>																		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>2, 3 c</i>						#140 Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				CHECKED BY: (Initials) <i>[Signature]</i>				<i>Rush</i>														





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
Project Manager: Joel Lowry				P.O. #:																					
Address: 2617 W Marland Blvd				Company: Goodnight																					
City: Hobbs		State: NM		Zip: 88240		Attn: Adrian Urquidi																			
Phone #: 575-396-2378		Fax #: 575-396-1429		Address:		City:																			
Project #: 18557		Project Owner: Goodnight Midstream Permian, LLC		State:		Zip:																			
Project Name: Jalapeno CRP Bleeder Ring Outlet				Phone #:																					
Project Location: Rural Lea				Fax #:																					
Sampler Name: Martin Sepulveda, Jr.																									
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		DATE		TIME		Chloride		TPH		BTEX 8021			
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :	
H235214				G		1		X				X		9/22/23				X		X		X			
11		FL - 78 @ 1'		G		1		X				X		9/22/23				X		X		X			
12		FL - 79 @ 1'		G		1		X				X		9/22/23				X		X		X			
13		FL - 80 @ 1'		G		1		X				X		9/22/23				X		X		X			
14		FL - 82 @ 2'		G		1		X				X		9/22/23				X		X		X			
15		FL - 83 @ 2'		G		1		X				X		9/22/23				X		X		X			
16		NW - 4		C		1		X				X		9/22/23				X		X		X			
17		NW - 5		C		1		X				X		9/22/23				X		X		X			

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Relinquished By: Tamarah Kendrick		Date: 9/25/2023		Received By: <i>Tamarah Kendrick</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 1630				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: Email results to <a href="mailto:PM@ETECHENV.COM">PM@ETECHENV.COM</a>			
		Time:							
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other:		2.3c		Cool Intact		(Initials)			
		#140		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<i>T.O.</i>			
				<input type="checkbox"/> No <input type="checkbox"/> No					

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476  
FORM-006 R 2.0



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---

September 29, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP BLEEDER RING OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 09/26/23 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 84 @ 2' (H235256-01)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

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	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 85 @ 2' (H235256-02)**

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	09/29/2023	ND	2.11	105	2.00	0.115		
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941		
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123		
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896		
Total BTX	<0.300	0.300	09/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW - 6 DEF (H235256-03)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 4 (H235256-04)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 5 DEF (H235256-05)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WW - 6 (H235256-06)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-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	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WW - 7 DEF (H235256-07)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH - 1 (H235256-08)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH - 2 (H235256-09)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-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	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH - 3 (H235256-10)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

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	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SH - 2 (H235256-11)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-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	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2023  
 Reported: 09/29/2023  
 Project Name: JALAPENO CRP BLEEDER RING OUTLET  
 Project Number: 18557  
 Project Location: GOODNIGHT UL/ N SEC 19 T22S - R35E

Sampling Date: 09/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH - 1 (H235256-12)**

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	09/29/2023	ND	2.11	105	2.00	0.115	
Toluene*	<0.050	0.050	09/29/2023	ND	2.22	111	2.00	0.941	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.25	113	2.00	0.123	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.17	103	6.00	0.896	
Total BTEX	<0.300	0.300	09/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-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	09/27/2023	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	09/27/2023	ND	198	98.9	200	9.96	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	187	93.3	200	7.97	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager





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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Goodnight Midstream Permian, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: Joel Lowry				P.O. #:																			
Address: 2617 W Marland Blvd				Company: Goodnight																			
City: Hobbs State: NM Zip: 88240				Attn: Adrian Urquidi																			
Phone #: 575-396-2378 Fax #: 575-396-1429				Address:																			
Project #: 18557 Project Owner: Goodnight Midstream Permian, LLC				City:																			
Project Name: Jalapeno CRP Bleeder Ring Outlet				State: Zip:																			
Project Location: Rural Lea				Phone #:																			
Sampler Name: Martin Sepulveda, Jr.				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING													
						GROUNDWATER																	
						WASTEWATER																	
						SOIL																	
						OIL																	
						SLUDGE																	
						OTHER :																	
						ACID/BASE:																	
						ICE / COOL																	
						OTHER :																	
										DATE		TIME											
H235256																							
1 FL - 84 @ 2'		G 1				X				X		9/25/23											
2 FL - 85 @ 2'		G 1				X				X		9/25/23											
3 EW - 6 DEF		G 1				X				X		9/25/23											
4 SW - 4		G 1				X				X		9/25/23											
5 SW - 5 DEF		G 1				X				X		9/25/23											
6 WW - 6		G 1				X				X		9/25/23											
7 WW - 7 DEF		G 1				X				X		9/25/23											
8 WH - 1		G 1				X				X		9/25/23											
9 WH - 2		G 1				X				X		9/25/23											
10 WH - 3		G 1				X				X		9/25/23											
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Relinquished By: Tamarah Kendrick				Date: 9/26/2023		Received By: Tamarah Kendrick				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:									
				Time: 1555						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:									
Relinquished By:				Date:		Received By:				REMARKS: Email results to <a href="mailto:PM@ETECHENV.COM">PM@ETECHENV.COM</a>													
				Time:						Rush! added 9/28/23 to													
Delivered By: (Circle One)																							
Sampler - UPS - Bus - Other:				0.80 #140		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				CHECKED BY: (Initials) yo.													
† Cardinal cannot accept verbal changes. Please fax written changes to 575.393.2476																							

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





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Goodnight Midstream Permian, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																
Project Manager: Joel Lowry				P.O. #:																				
Address: 2617 W Marland Blvd				Company: Goodnight																				
City: Hobbs State: NM Zip: 88240				Attn: Adrian Urquidi																				
Phone #: 575-396-2378 Fax #: 575-396-1429				Address:																				
Project #: 18557 Project Owner: Goodnight Midstream Permian, LLC				City:																				
Project Name: Jalapeno CRP Bleeder Ring Outlet				State: Zip:																				
Project Location: Rural Lea				Phone #:																				
Sampler Name: Martin Sepulveda, Jr.				Fax #:																				
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH	BTEX 8021							
11	SH - 2	G	1		X					X			9/25/23		X	X	X							
12	EH - 1	G	1		X					X			9/25/23		X	X	X							

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Relinquished By: Tamarah Kendrick		Date: 9/26/2023	Received By: <i>Tamarah Kendrick</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1555					Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:		REMARKS: Email results to <a href="mailto:PM@ETECHENV.COM">PM@ETECHENV.COM</a>	
Time:					<i>Push!</i> <i>added 9/28/23</i>	
Delivered By: (Circle One)						
Sampler - UPS - Bus - Other: 0.8c #140						
			Sample Condition		CHECKED BY: (Initials)	
			Cool Intact		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476  
FORM-006 R 2.0

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

---

October 02, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO

Enclosed are the results of analyses for samples received by the laboratory on 09/27/23 16:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at

[www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL # 70 @ 1 FT	H235285-01	Soil	27-Sep-23 14:00	27-Sep-23 16:53
FL # 71 @ 1 FT	H235285-02	Soil	27-Sep-23 14:00	27-Sep-23 16:53
FL # 72 @ 1 FT	H235285-03	Soil	27-Sep-23 14:00	27-Sep-23 16:53
FL # 74 @ 1 FT	H235285-04	Soil	27-Sep-23 14:00	27-Sep-23 16:53
FL # 75 @ 1 FT	H235285-05	Soil	27-Sep-23 14:00	27-Sep-23 16:53
FL # 40 @ 2 FT	H235285-06	Soil	27-Sep-23 14:00	27-Sep-23 16:53
FL # 51 @ 2 FT	H235285-07	Soil	27-Sep-23 14:00	27-Sep-23 16:53
FL # 16 @ 4 FT	H235285-08	Soil	27-Sep-23 14:00	27-Sep-23 16:53
SH # 3	H235285-09	Soil	27-Sep-23 14:00	27-Sep-23 16:53
SW # 6	H235285-10	Soil	27-Sep-23 14:00	27-Sep-23 16:53

10/02/23 - Client changed the sample ID on -08 (see COC). This is the revised report and will replace the one sent on 09/29/23.

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**FL # 70 @ 1 FT**  
**H235285-01 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3092913	AC	29-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134 3092822 JH 29-Sep-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	

Surrogate: 1-Chlorooctane 84.7 % 48.2-134 3092818 MS 29-Sep-23 8015B

Surrogate: 1-Chlorooctadecane 103 % 49.1-148 3092818 MS 29-Sep-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**FL # 71 @ 1 FT****H235285-02 (Soil)**

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

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	3092913	AC	29-Sep-23	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3092822	JH	29-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	

Surrogate: 1-Chlorooctane			88.5 %	48.2-134		3092818	MS	29-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	49.1-148		3092818	MS	29-Sep-23	8015B	
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**FL # 72 @ 1 FT****H235285-03 (Soil)**

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

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	3092913	AC	29-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3092822	JH	29-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	

Surrogate: 1-Chlorooctane			87.2 %	48.2-134		3092818	MS	29-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		3092818	MS	29-Sep-23	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**FL # 74 @ 1 FT****H235285-04 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	3092913	AC	29-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	3092822	JH	29-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	

Surrogate: 1-Chlorooctane			80.3 %		48.2-134	3092818	MS	29-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			97.0 %		49.1-148	3092818	MS	29-Sep-23	8015B	
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**FL # 75 @ 1 FT****H235285-05 (Soil)**

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

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	3092913	AC	29-Sep-23	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3092822	JH	29-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	

Surrogate: 1-Chlorooctane			82.5 %	48.2-134		3092818	MS	29-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			100 %	49.1-148		3092818	MS	29-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**FL # 40 @ 2 FT****H235285-06 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	3092913	AC	29-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		71.5-134	3092822	JH	29-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	

Surrogate: 1-Chlorooctane			84.8 %		48.2-134	3092818	MS	29-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			101 %		49.1-148	3092818	MS	29-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**FL # 51 @ 2 FT****H235285-07 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	3092913	AC	29-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3092822	JH	29-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	

Surrogate: 1-Chlorooctane			78.1 %	48.2-134		3092818	MS	29-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			94.5 %	49.1-148		3092818	MS	29-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**FL # 16 @ 4 FT****H235285-08 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	3092913	AC	29-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3092822	JH	29-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092818	MS	29-Sep-23	8015B	

Surrogate: 1-Chlorooctane			80.8 %	48.2-134		3092818	MS	29-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			99.6 %	49.1-148		3092818	MS	29-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**SH # 3****H235285-09 (Soil)**

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

<b>Chloride</b>	<b>320</b>		16.0	mg/kg	4	3092913	AC	29-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	3092822	JH	29-Sep-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3092821	MS	28-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3092821	MS	28-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3092821	MS	28-Sep-23	8015B

Surrogate: 1-Chlorooctane	78.2 %	48.2-134	3092821	MS	28-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	86.4 %	49.1-148	3092821	MS	28-Sep-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**SW # 6****H235285-10 (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	3092913	AC	29-Sep-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092822	JH	29-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092822	JH	29-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3092822	JH	29-Sep-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092821	MS	28-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092821	MS	28-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092821	MS	28-Sep-23	8015B	

Surrogate: 1-Chlorooctane			80.9 %	48.2-134		3092821	MS	28-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			89.2 %	49.1-148		3092821	MS	28-Sep-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3092913 - 1:4 DI Water</b>									
<b>Blank (3092913-BLK1)</b>				Prepared & Analyzed: 29-Sep-23					
Chloride	ND	16.0	mg/kg						
<b>LCS (3092913-BS1)</b>				Prepared & Analyzed: 29-Sep-23					
Chloride	432	16.0	mg/kg	400		108	80-120		
<b>LCS Dup (3092913-BSD1)</b>				Prepared & Analyzed: 29-Sep-23					
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

**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 3092822 - Volatiles****Blank (3092822-BLK1)**

Prepared: 28-Sep-23 Analyzed: 29-Sep-23

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)	0.0536		mg/kg	0.0500		107	71.5-134			

**LCS (3092822-BS1)**

Prepared: 28-Sep-23 Analyzed: 29-Sep-23

Benzene	1.77	0.050	mg/kg	2.00		88.5	82.8-130			
Toluene	1.94	0.050	mg/kg	2.00		97.0	86-128			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128			
m,p-Xylene	4.07	0.100	mg/kg	4.00		102	89-129			
o-Xylene	2.02	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.09	0.150	mg/kg	6.00		101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0547		mg/kg	0.0500		109	71.5-134			

**LCS Dup (3092822-BSD1)**

Prepared: 28-Sep-23 Analyzed: 29-Sep-23

Benzene	1.87	0.050	mg/kg	2.00		93.6	82.8-130	5.61	15.8	
Toluene	1.96	0.050	mg/kg	2.00		97.8	86-128	0.850	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	0.309	16	
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	89-129	1.59	16.2	
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125	1.84	16.7	
Total Xylenes	6.19	0.150	mg/kg	6.00		103	88.2-128	1.67	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0540		mg/kg	0.0500		108	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3092818 - General Prep - Organics****Blank (3092818-BLK1)**

Prepared &amp; Analyzed: 28-Sep-23

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	44.9		mg/kg	50.0		89.9	48.2-134		
Surrogate: 1-Chlorooctadecane	54.6		mg/kg	50.0		109	49.1-148		

**LCS (3092818-BS1)**

Prepared &amp; Analyzed: 28-Sep-23

GRO C6-C10	201	10.0	mg/kg	200		100	66.4-123		
DRO >C10-C28	210	10.0	mg/kg	200		105	66.5-118		
Total TPH C6-C28	411	10.0	mg/kg	400		103	77.6-123		
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	48.2-134		
Surrogate: 1-Chlorooctadecane	67.0		mg/kg	50.0		134	49.1-148		

**LCS Dup (3092818-BS1)**

Prepared &amp; Analyzed: 28-Sep-23

GRO C6-C10	193	10.0	mg/kg	200		96.7	66.4-123	3.57	17.7
DRO >C10-C28	201	10.0	mg/kg	200		100	66.5-118	4.62	21
Total TPH C6-C28	394	10.0	mg/kg	400		98.6	77.6-123	4.11	18.5
Surrogate: 1-Chlorooctane	47.5		mg/kg	50.0		95.0	48.2-134		
Surrogate: 1-Chlorooctadecane	61.2		mg/kg	50.0		122	49.1-148		

**Batch 3092821 - General Prep - Organics****Blank (3092821-BLK1)**

Prepared &amp; Analyzed: 28-Sep-23

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	40.5		mg/kg	50.0		81.0	48.2-134		
Surrogate: 1-Chlorooctadecane	44.9		mg/kg	50.0		89.7	49.1-148		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: JALAPENO  
Project Number: NONE GIVEN  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
02-Oct-23 14:45

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

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

**Batch 3092821 - General Prep - Organics****LCS (3092821-BS1)**

Prepared &amp; Analyzed: 28-Sep-23

GRO C6-C10	206	10.0	mg/kg	200		103	66.4-123		
DRO >C10-C28	205	10.0	mg/kg	200		103	66.5-118		
Total TPH C6-C28	411	10.0	mg/kg	400		103	77.6-123		
Surrogate: 1-Chlorooctane	46.3		mg/kg	50.0		92.6	48.2-134		
Surrogate: 1-Chlorooctadecane	48.9		mg/kg	50.0		97.7	49.1-148		

**LCS Dup (3092821-BS1)**

Prepared &amp; Analyzed: 28-Sep-23

GRO C6-C10	193	10.0	mg/kg	200		96.7	66.4-123	6.19	17.7
DRO >C10-C28	197	10.0	mg/kg	200		98.5	66.5-118	4.10	21
Total TPH C6-C28	391	10.0	mg/kg	400		97.6	77.6-123	5.14	18.5
Surrogate: 1-Chlorooctane	42.7		mg/kg	50.0		85.3	48.2-134		
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0		89.5	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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**

Page 18 of 18

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: *Jack Lowry*

Address: P.O. Box 301

City: Lovington

State: NM Zip: 88260

Phone #: (575) 396-2378

Fax #: (575) 396-1429

Project #:

Project Owner:

Project Name: *Jalapeño*

Project Location:

Sampler Name: *Martin Sepulveda Jr*

FOR LAB USE ONLY

*H235284*

Lab I.D.

Sample I.D.

*5*  
*9/27/23*

		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING		DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)	ANALYSIS REQUEST									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :														
1	FL # 70 @ 1F+																									
2	FL # 91 @ 1F+																									
3	FL # 72 @ 1F+																									
4	FL # 74 @ 1F+																									
5	FL # 75 @ 1F+																									
6	FL # 40 @ 2F+																									
7	FL # 51 @ 2F+																									
8	FL # 14 @ 1F+																									
9	SH # 3																									
10	SW # 6																									

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Relinquished By: *[Signature]*

Date: *9-27-23*

Time: *2:00*

Date: *9/27/23*

Time: *16:53*

Relinquished By: *[Signature]*

Received By: *[Signature]*

Received By: *[Signature]*

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition  
Cool ☒ Intact ☒  
☐ Yes ☐ Yes  
☐ No ☐ No

CHECKED BY:  
(Initials)  
*[Signature]*

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

REMARKS:

Please email results to pm@etechenv.com.

*\* Customer requested Depth change.*

*9-10/2/23*

FORM-006  
Revision 1.0


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


## **Appendix D**

### **Photographic Log**



## Photographic Log


<b>Photo Number:</b> 1	
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of release area.	

<b>Photo Number:</b> 2	
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of release area.	



## Photographic Log

<b>Photo Number:</b> 3	
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of release area.	

<b>Photo Number:</b> 4	
<b>Photo Direction:</b> Northwest	
<b>Photo Description:</b>  View of release area.	

## Photographic Log


<b>Photo Number:</b> 5	
<b>Photo Direction:</b> East	
<b>Photo Description:</b>  View of open excavation.	

<b>Photo Number:</b> 6	
<b>Photo Direction:</b> East	
<b>Photo Description:</b>  View of open excavation.	




## Photographic Log

<b>Photo Number:</b> 7	
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of open excavation.	

<b>Photo Number:</b> 8	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of open excavation.	


## Photographic Log

<b>Photo Number:</b> 9	<div>Oct 11, 2023 at 5:32:35 PM +32.371787,-103.410686 Eunice NM 88231 United States</div> 
<b>Photo Direction:</b> East	
<b>Photo Description:</b>  View of remediated area after backfill and grading.	

<b>Photo Number:</b> 10	<div>Oct 11, 2023 at 5:37:10 PM +32.371384,-103.409857 Eunice NM 88231 United States</div> 
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of remediated area after backfill and grading.	



## Photographic Log

<b>Photo Number:</b> 11	 <p>Oct 11, 2023 at 5:36:18 PM +32.371375,-103.409985 Eunice, NM 88231 United States</p>
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of remediated area after backfill and grading.	

<b>Photo Number:</b> 12	 <p>Oct 11, 2023 at 5:33:51 PM +32.371595,-103.410183 Eunice, NM 88231 United States</p>
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of remediated area after backfill and grading.	

## **Appendix E**

### **Regulatory Correspondence**

**Matthew A. Grieco**

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Tuesday, August 29, 2023 4:53 PM  
**To:** Tamarah Kendrick  
**Cc:** Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD  
**Subject:** RE: [EXTERNAL] nAPP2321651804 - Goodnight Midstream Permian, LLC Reportable Release Site- Sampling Notification - Jalapeno CRP Bleeder Ring Outlet

Hi Tamarah,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

[Shelly Wells](#) \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Tamarah Kendrick <tamarah@etechenv.com>  
**Sent:** Tuesday, August 29, 2023 3:38 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Joel Lowry <joel@etechenv.com>  
**Subject:** [EXTERNAL] nAPP2321651804 - Goodnight Midstream Permian, LLC Reportable Release Site- Sampling Notification - Jalapeno CRP Bleeder Ring Outlet

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This email serves as notice Etech intends to conduct confirmation soil sampling for the following reportable release site beginning 08/31/2023.

nAPP2321651804– Jalapeno CRP Bleeder Ring Outlet

If you have any questions or need any additional information, please feel free to contact Joel Lowry by phone or email.

Joel Lowry  
Etech Environmental  
Phone: 432-466-4450  
[joel@etechenv.com](mailto:joel@etechenv.com)



*Tamarah Kendrick*

**Project Coordinator**

**ETech - Environmental and Safety Solutions**

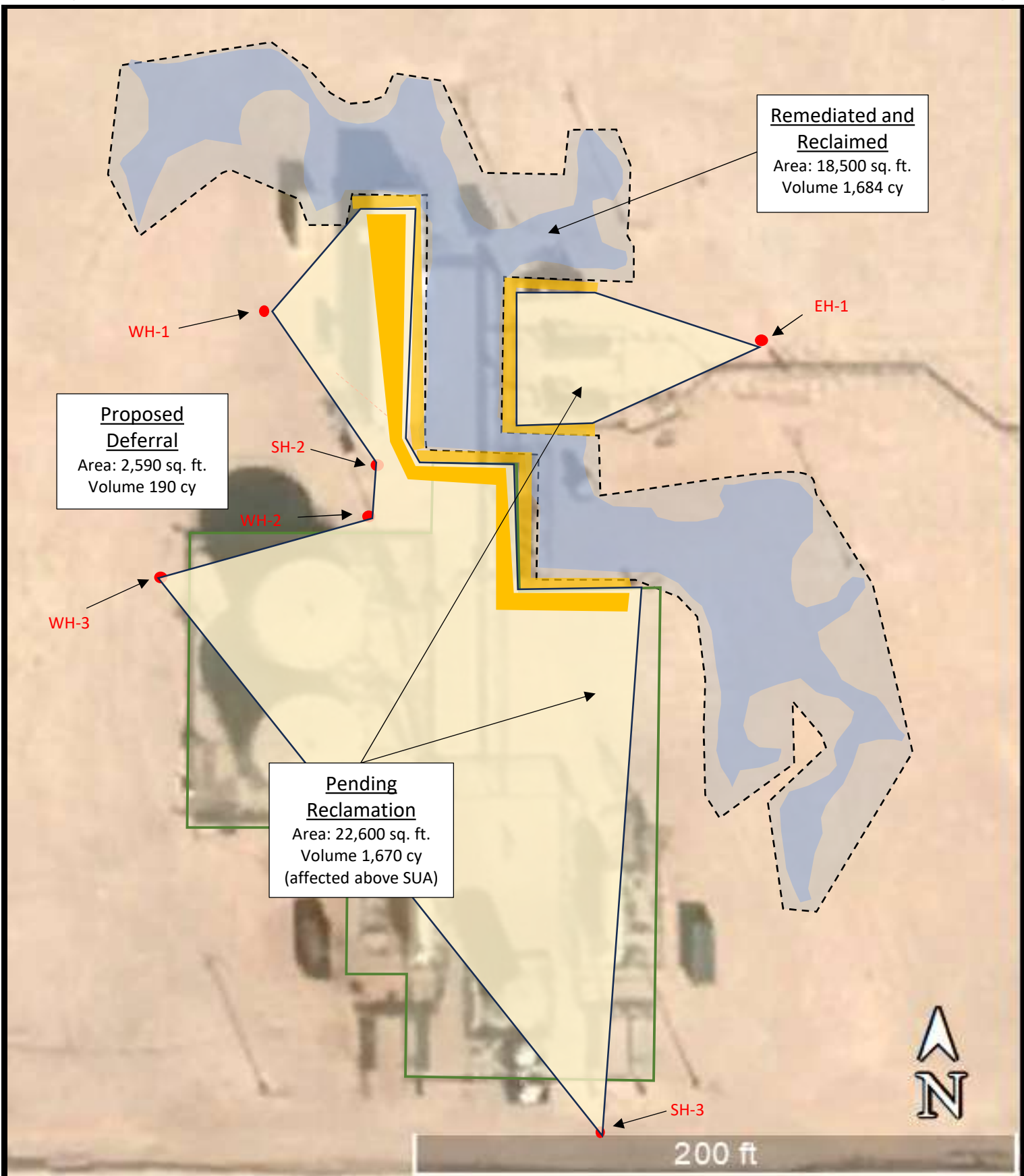
**2617 W. Marland Blvd**

**Hobbs, NM 88240**



## **Appendix F**

### **Electronic C-141 Supplemental Documentation**



## Legend:

- Remediated and "Reclaimed" Area
- Sample Location
- Containment
- Area in Need of Reclamation
- Proposed Deferral

## Figure 6

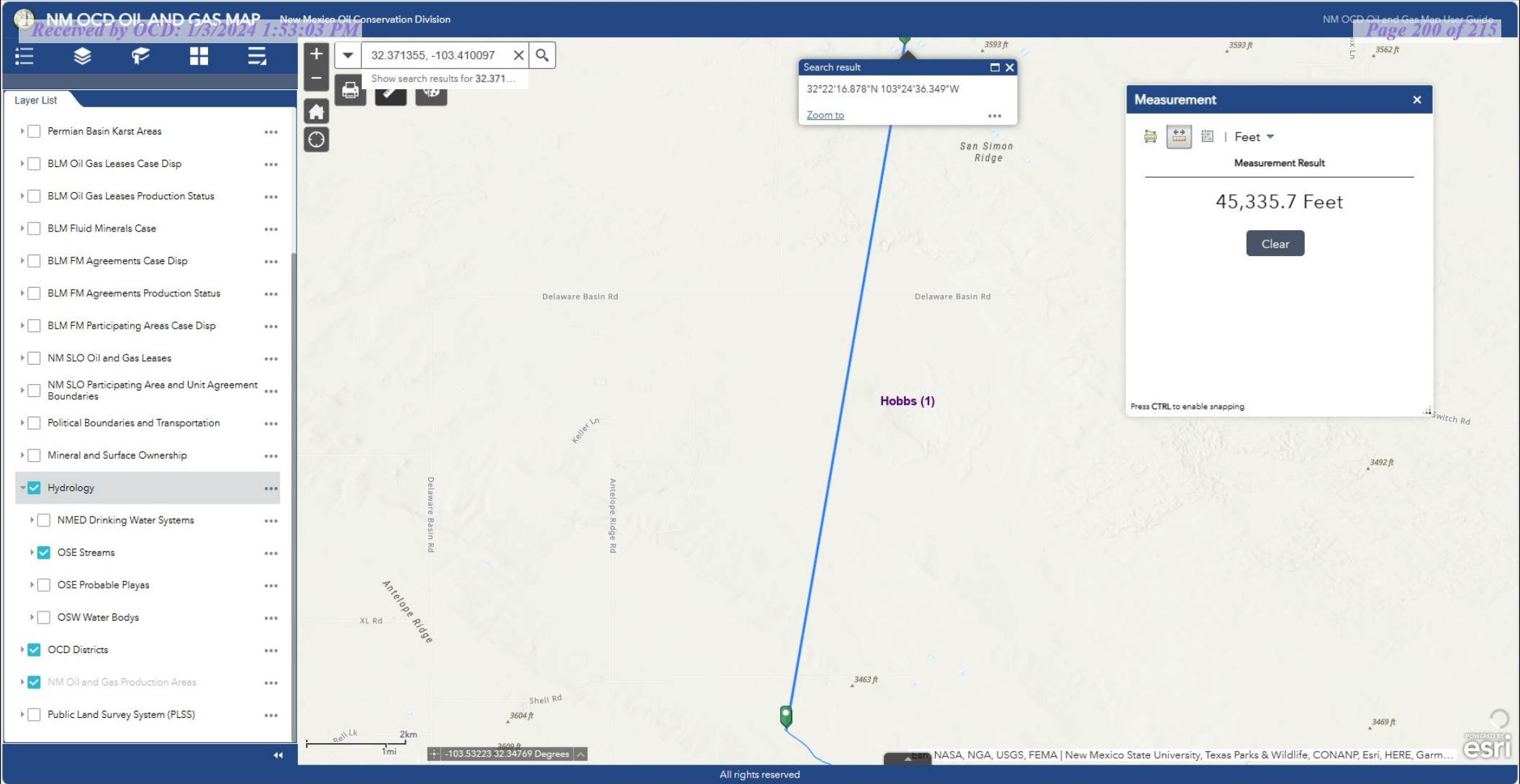
Remediation, Reclamation & Deferral Map  
 Goodnight Midstream Permian, LLC  
 Jalapeno CRP Bleeder Ring Outlet  
 GPS: 32.37081, -103.41011  
 Lea County



Drafted:

Checked: jwl

Date: 12/20/23





BASEMAPS >

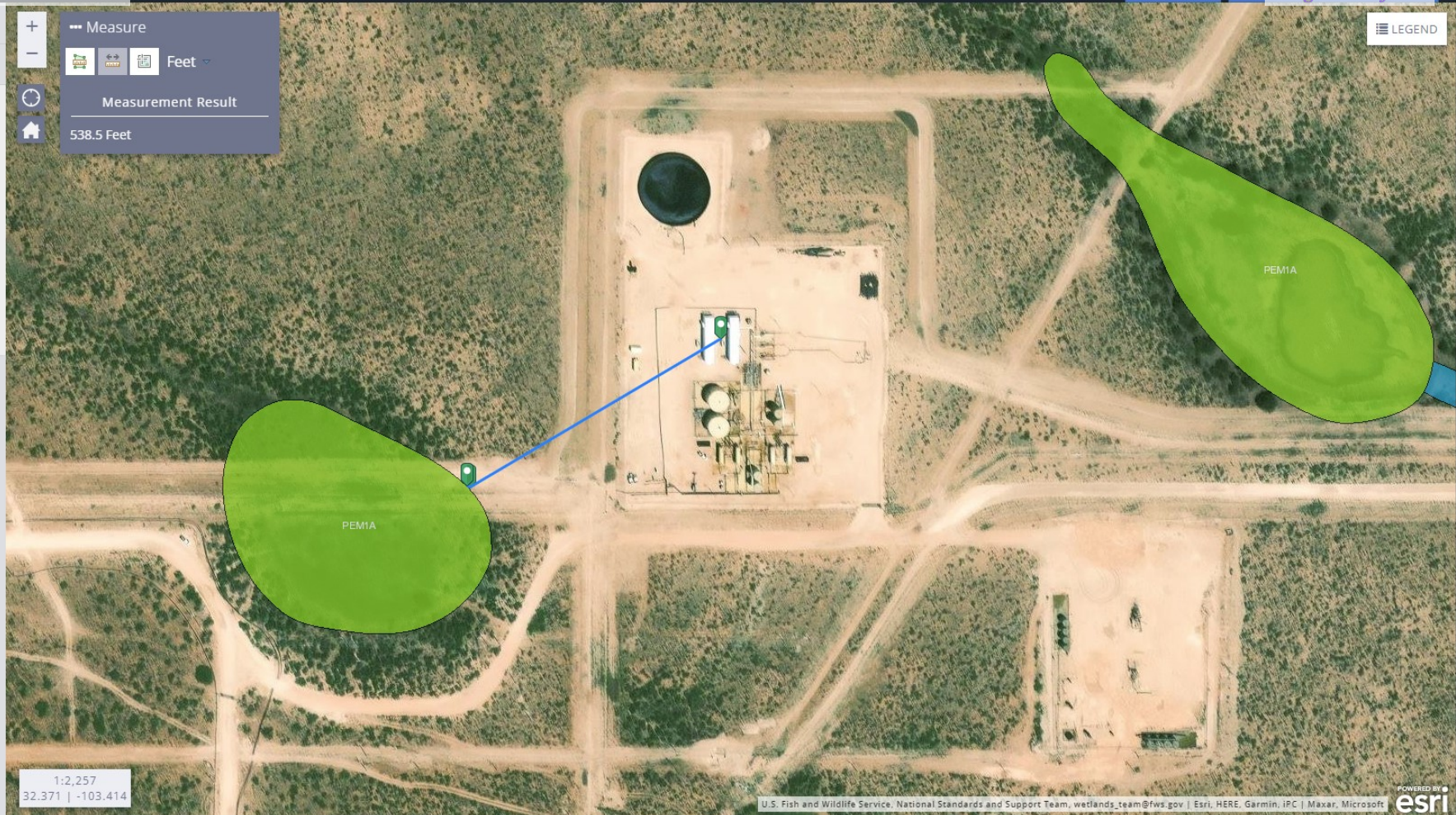
MAP LAYERS >

☒ Wetlands 1 2
   
☐ Riparian 1 2
   
☐ Riparian Mapping Areas 1 2
   
☐ Data Source 1 2
 

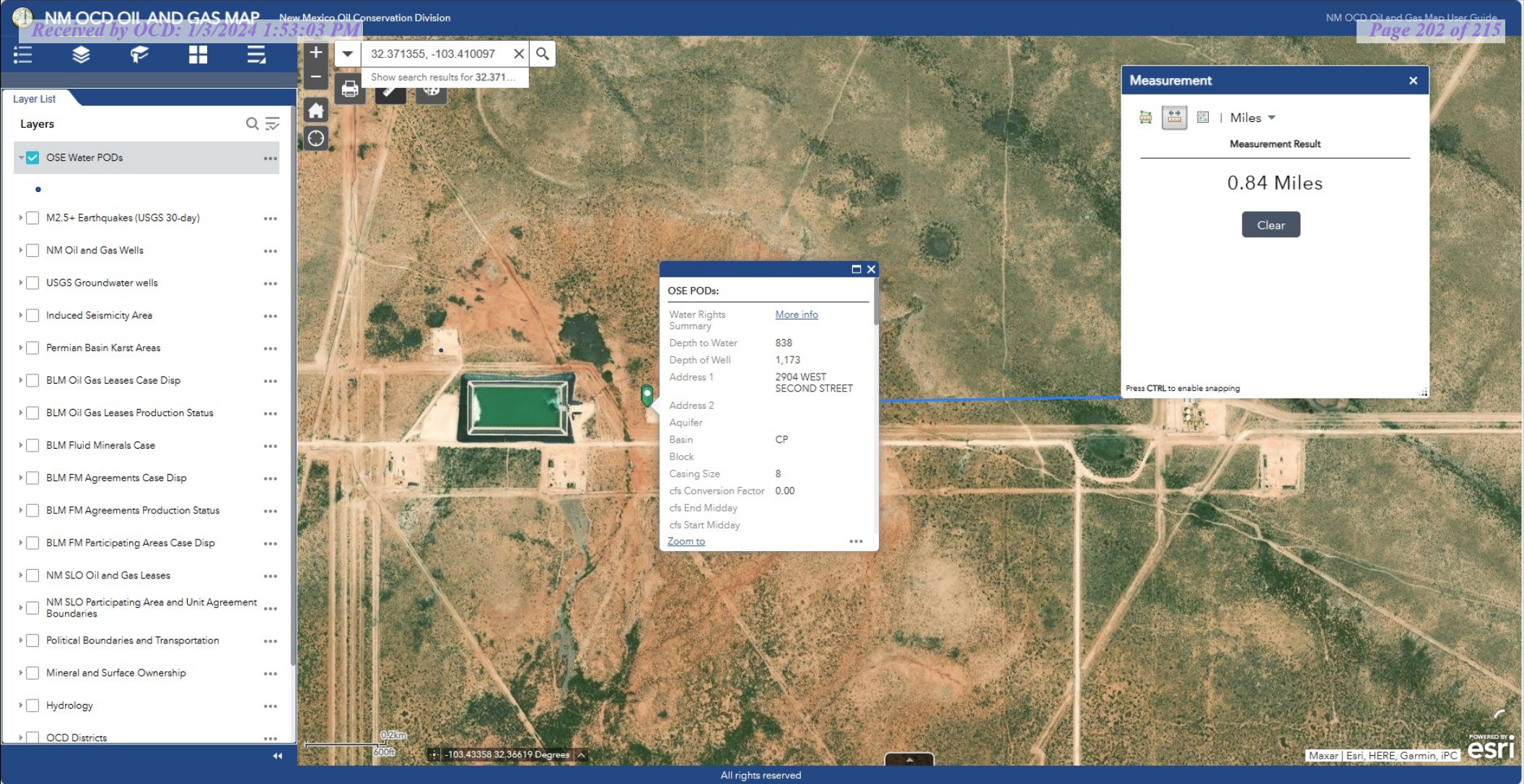
☐ Source Type
   
☐ Image Scale
   
☐ Image Year

  
☐ Areas of Interest 2
   
☐ FWS Managed Lands 1 2
   
☐ Historic Wetland Data 1 2

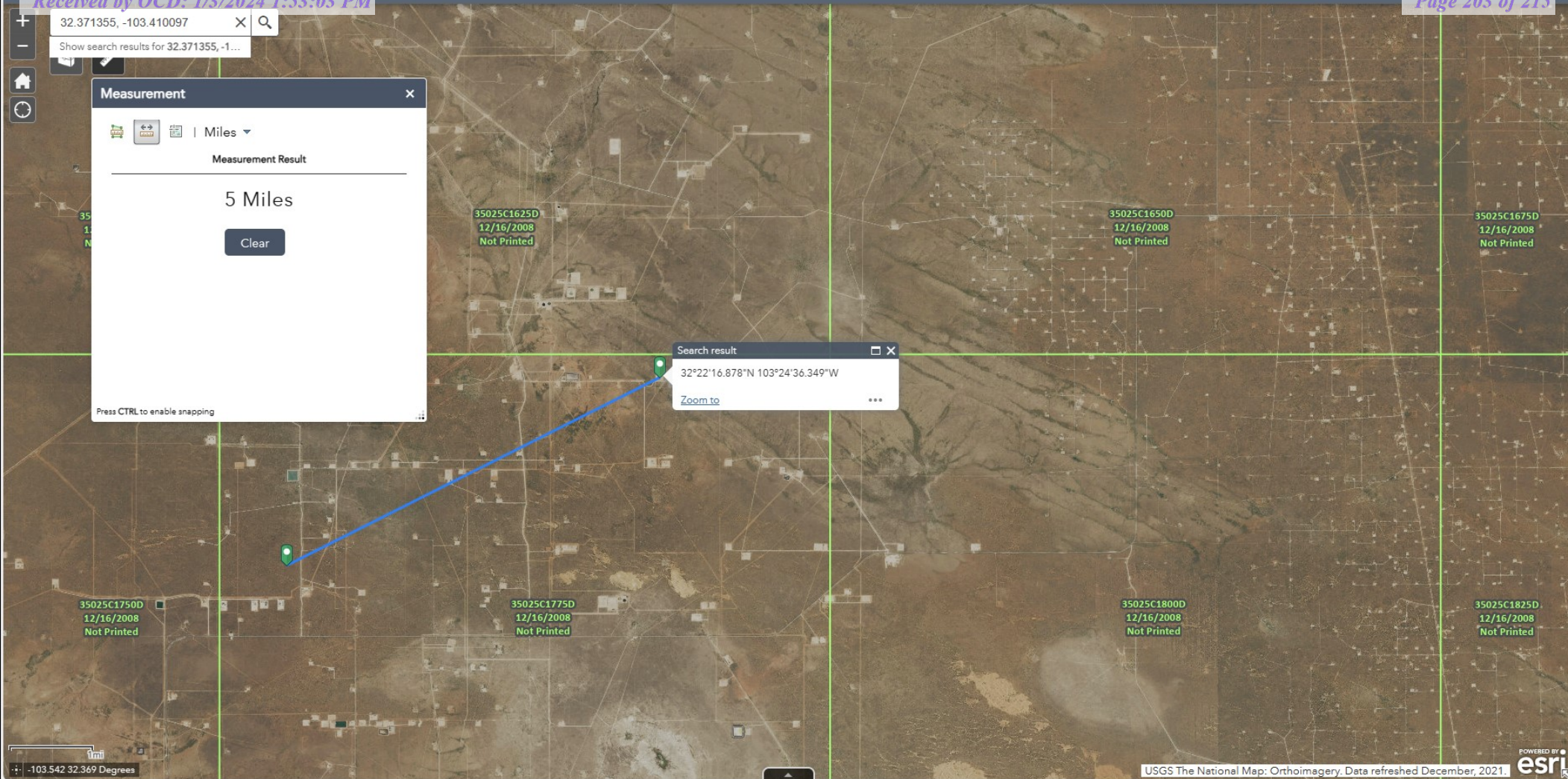
The screenshot shows the Measure app interface. At the top, there is a navigation bar with a plus icon, a minus icon, and a home icon. The main display area shows the word "Measure" at the top, followed by three icons: a green icon, a grey icon with a plus sign, and a white icon with a plus sign. To the right of these icons is the unit "Feet" with a dropdown arrow. Below this, the text "Measurement Result" is displayed in a large font. At the bottom, the measurement "538.5 Feet" is shown.













▼ Search

Received by OCD: 1/3/2024 1:53:03 PM

32.371355 -103.410097

Get Directions History

32.371355 -103.410097

▼ Places

Mine Workings

Intrepid Potash

Intrepid Potash

Intrepid Potash

Intrepid Potash

Intrepid Potash

Mosaic Potash

Mosaic Potash

Mosaic Potash

Amax Potash

Amax Potash

Duval Potash

HB Potash

HB Potash

Nash Draw Mine

National Potash

mine work

▼ Layers

Primary Database

Announcements

Borders and Labels

Places

Photos

Roads

3D Buildings

Weather

Gallery

More

Terrain

B & S SWD 3

B & S SWD 2

32.371355-103.410097

Ruler

LinePathPolygonCircle3D path3D polygon

Measure the distance between two points on the ground

Map Length:19.85Miles

Ground Length:19.85

Heading:286.85 degrees

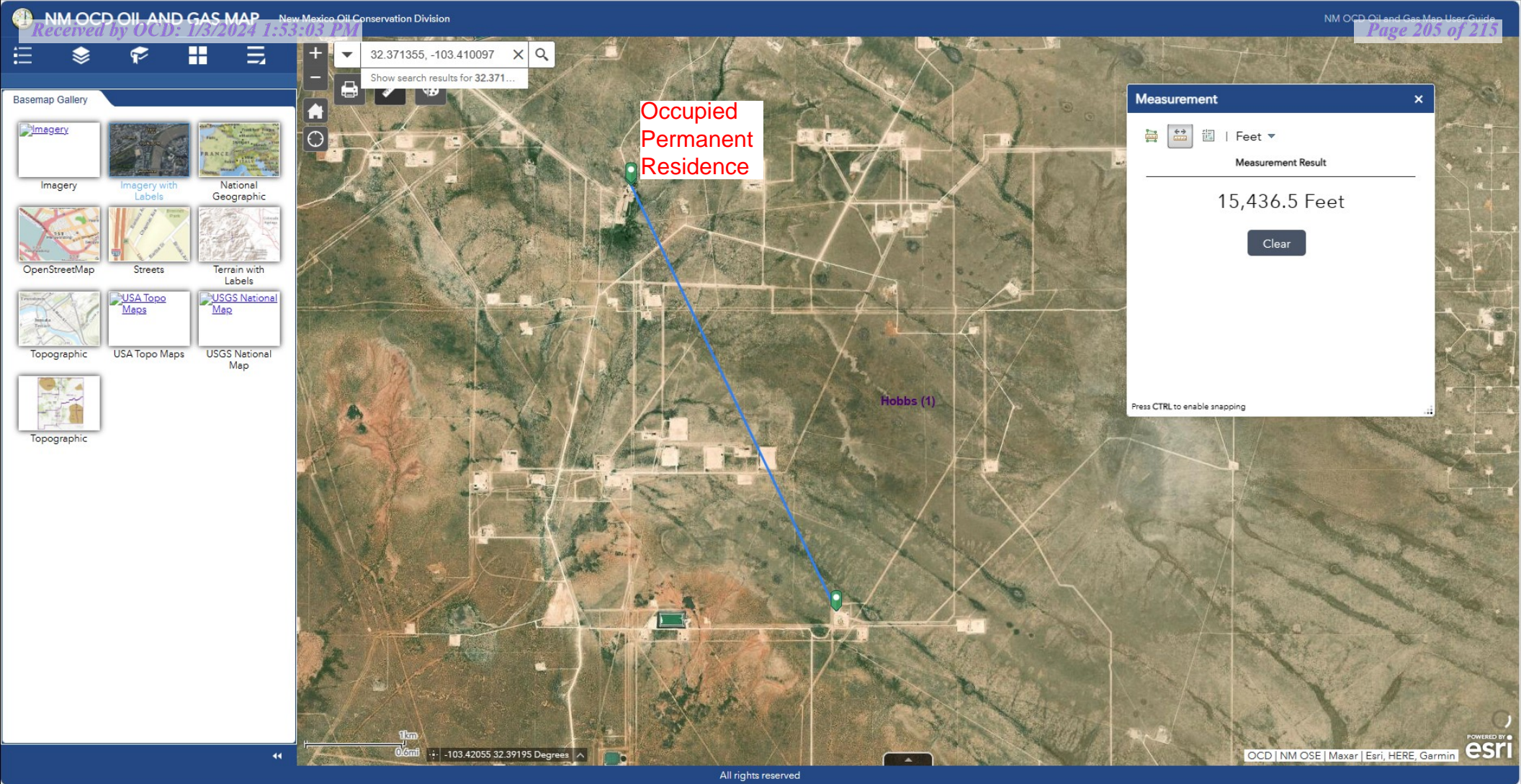
☐ Mouse Navigation

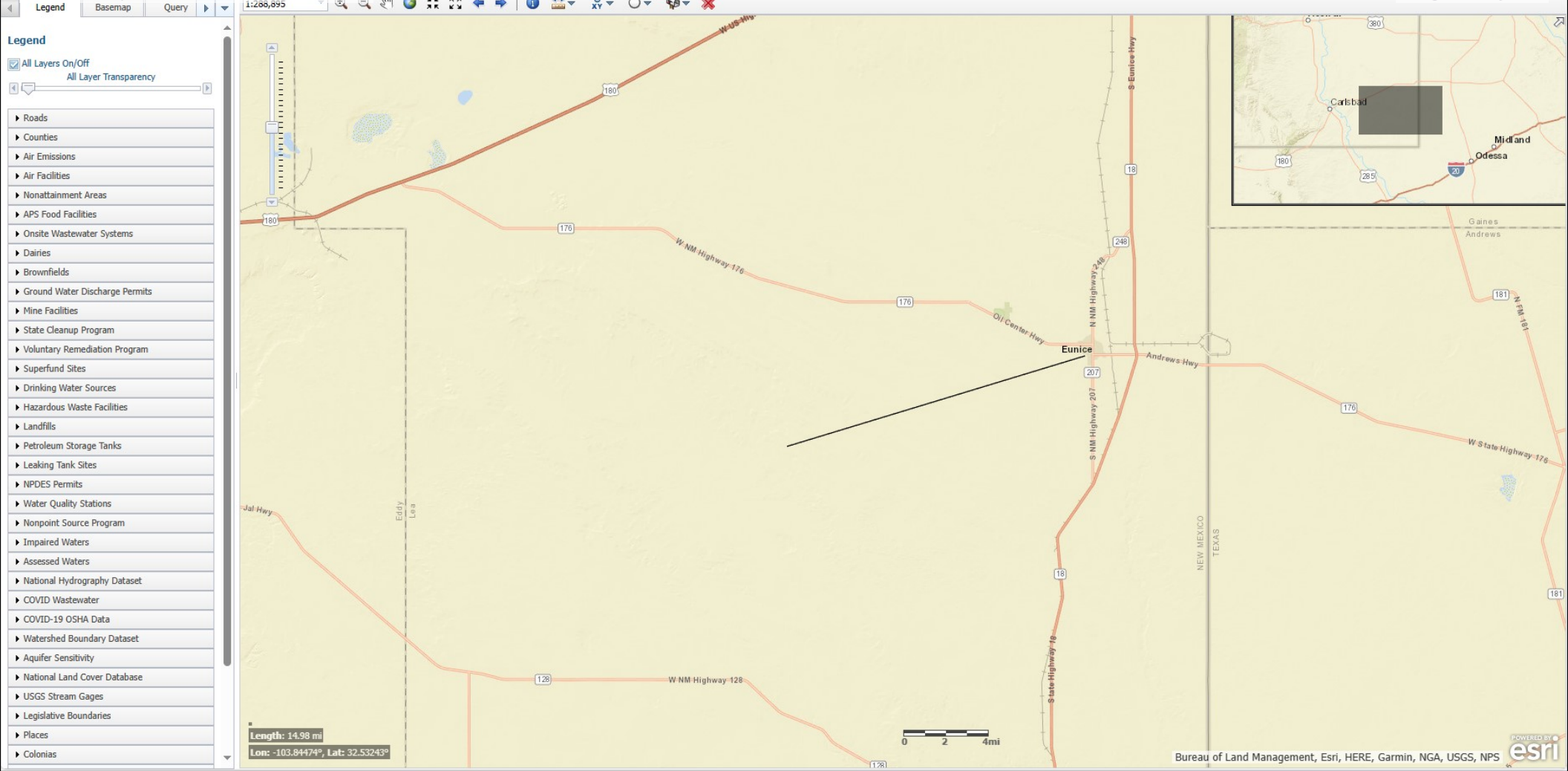
Save

Clear

Google Earth









Layer List

☐

M2.5+ Earthquakes (USGS 30-day)...

☐

NM Oil and Gas Wells...

☐

USGS Groundwater wells...

☐

Induced Seismicity Area...

☒

Permian Basin Karst Areas...

☐

BLM Oil Gas Leases Case Disp...

☐

BLM Oil Gas Leases Production Status...

☐

BLM Fluid Minerals Case...

☐

BLM FM Agreements Case Disp...

☐

BLM FM Agreements Production Status...

☐

BLM FM Participating Areas Case Disp...

☐

NM SLO Oil and Gas Leases...

☐

NM SLO Participating Area and Unit Agreement Boundaries...

☐

Political Boundaries and Transportation...

☐

Mineral and Surface Ownership...

☐

Hydrology...

☒

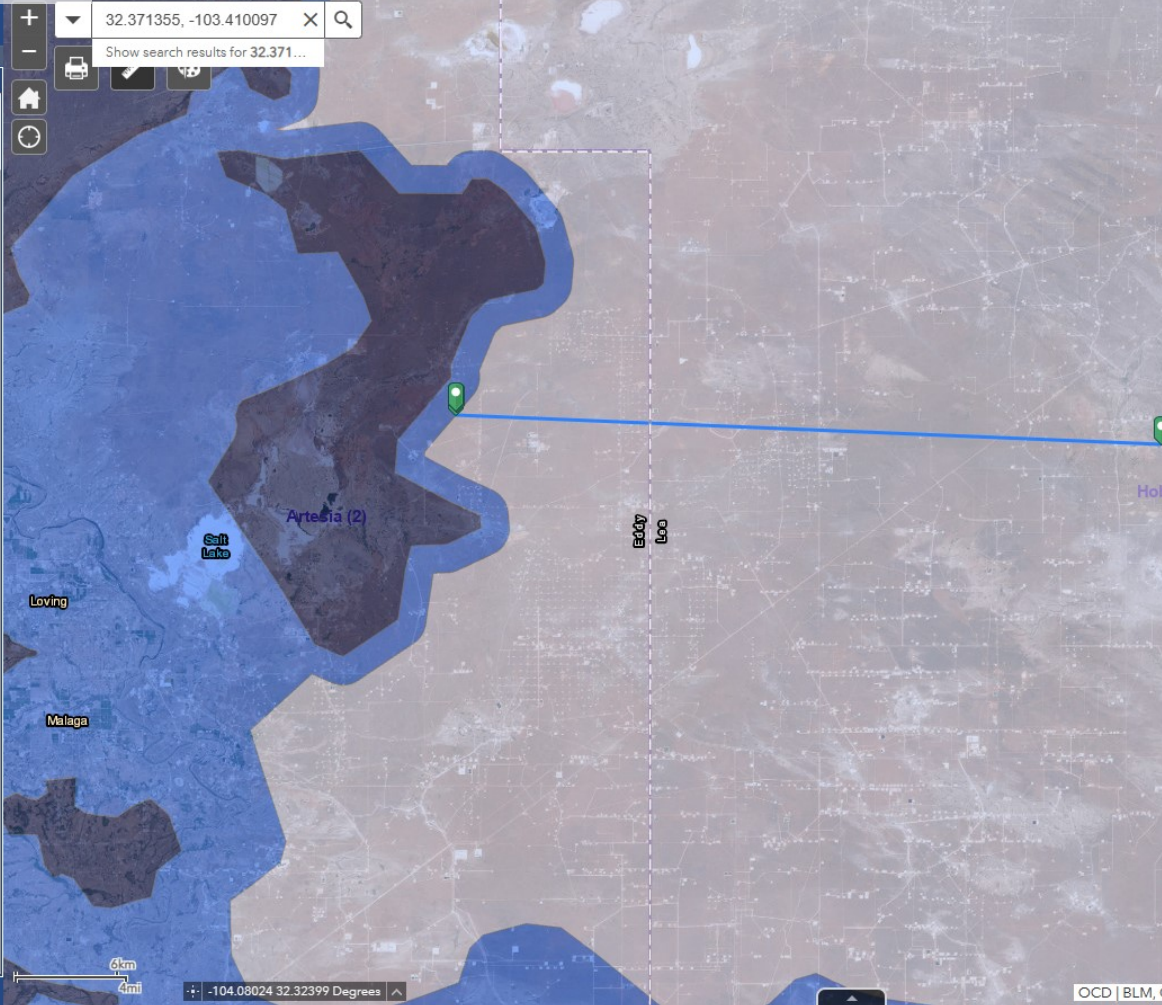
OCD Districts...

☒

NM Oil and Gas Production Areas...

☐

Public Land Survey System (PLSS)...



Measurement

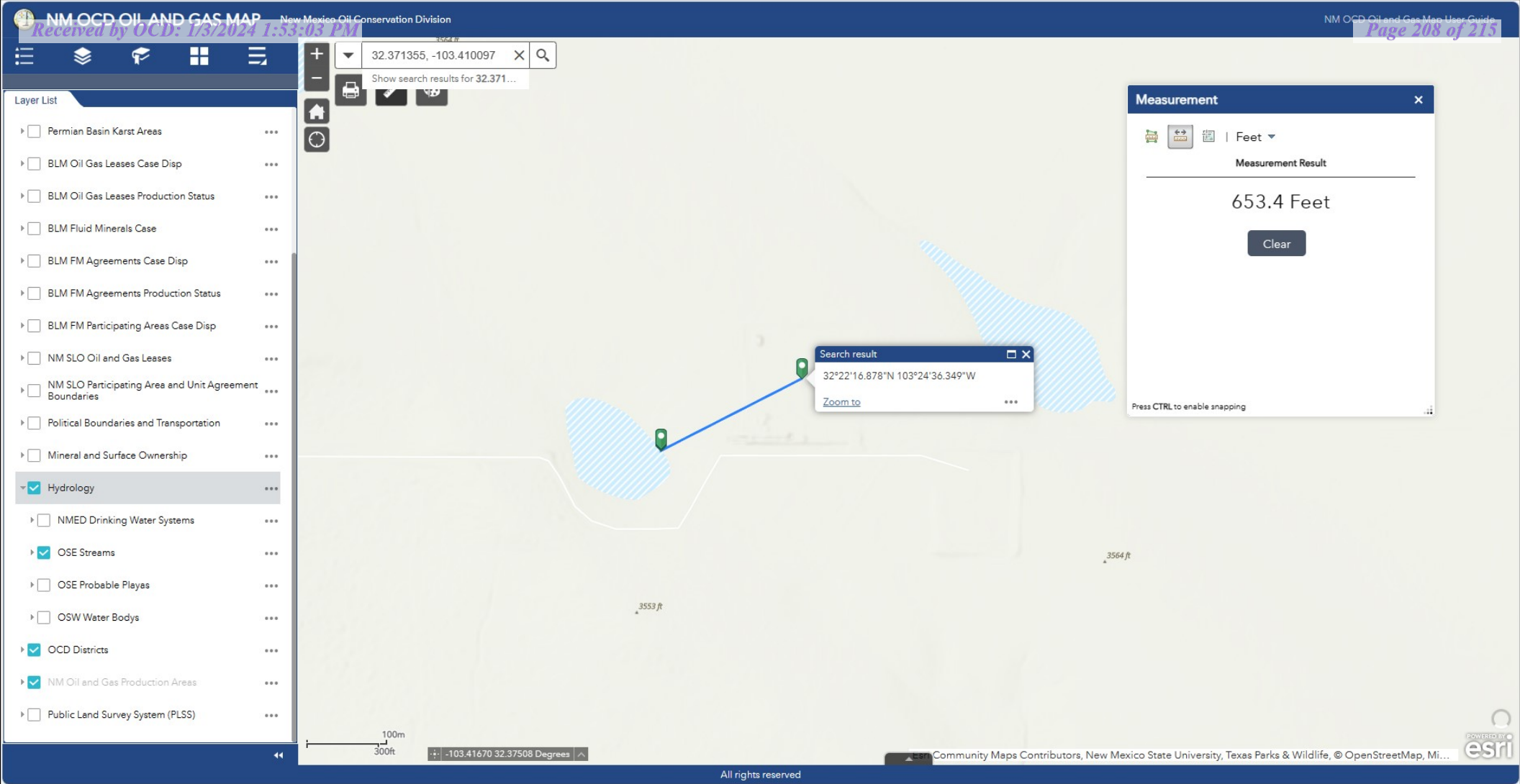
Miles

Measurement Result

25.4 Miles

Clear

Press CTRL to enable snapping





**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS  
  
Action 299529

QUESTIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 299529
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2321651804
Incident Name	NAPP2321651804 JALAPENO FLANGE RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	JALAPENO FLANGE RELEASE
Date Release Discovered	08/04/2023
Surface Owner	Private

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other   Flow Line - Production   Produced Water   Released: 91 BBL   Recovered: 43 BBL   Lost: 48 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

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Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 299529

**QUESTIONS (continued)**

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:	372311
	Action Number:	299529
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<b>Not answered.</b>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	<b>Name: Adrian Urquidi</b> <b>Title: HSE Representative</b> <b>Email: <a href="mailto:adrian.urquidi@goodnightmidstream.com">adrian.urquidi@goodnightmidstream.com</a></b> <b>Date: 01/03/2024</b>
--	--

**District I**

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1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

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1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 299529

**QUESTIONS (continued)**

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:
	372311
	Action Number: 299529
Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)	

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	2240
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	10.2
GRO+DRO	(EPA SW-846 Method 8015M)	10.2
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	08/31/2023
On what date will (or did) the final sampling or liner inspection occur	08/31/2023
On what date will (or was) the remediation complete(d)	10/11/2023
What is the estimated surface area (in square feet) that will be reclaimed	41100
What is the estimated volume (in cubic yards) that will be reclaimed	3354
What is the estimated surface area (in square feet) that will be remediated	18500
What is the estimated volume (in cubic yards) that will be remediated	1684

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 299529

**QUESTIONS (continued)**

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:	372311
	Action Number:	299529
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	OWL LANDFILL JAL [fJEG1635837366]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Adrian Urquidi Title: HSE Representative Email: adrian.urquidi@goodnightmidstream.com Date: 01/03/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 299529

**QUESTIONS (continued)**

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:	372311
	Action Number:	299529
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	SWD Storage Tanks, steel wall lined secondary containment is above the area that would cause us to completely shut down production and remove all equipment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2590
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	190
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (F#) on which this deferral should be granted	JALAPENO RP [FCH1903939717]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Adrian Uruidi Title: HSE Representative Email: adrian.uruidi@goodnightmidstream.com Date: 01/03/2024

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QUESTIONS, Page 6  
  
Action 299529

QUESTIONS (continued)

Operator:  GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:  372311
	Action Number:  299529
	Action Type:  [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No



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CONDITIONS  
  
Action 299529

CONDITIONS

Operator:  GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:  372311
	Action Number:  299529
	Action Type:  [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The Remediation Plan with deferral is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	3/13/2024