

Incident ID	nAPP2209436536
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>44</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

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

Printed Name Albert Ochoa Title: HSE Representative

Signature: Albert Ochoa Date: 06/14/2022

email: albert.ochoa@goodnightmidstream.com Telephone: (432)242-6629

**OCD Only**

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

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## Remediation Plan


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

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

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

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

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

Printed Name: Albert Ochoa Title: HSE Representative  
Signature:  Date: 06/14/2022  
email: albert.ochoa@goodnightmidstream.com Telephone: (432)242-6629

**OCD Only**

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

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature:  Date: 06/16/2022

## Remediation Summary & Deferral Request

### Goodnight Midstream Permian, LLC Jalapeno RP HGB 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. nAPP2209436536


Prepared By:

#### Etech Environmental & Safety Solutions, Inc.

2507 79th Street, Unit A

Lubbock, Texas 79423

  
Ben J. Arguijo

  
Joel W. Lowry



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 (Goodnight), has prepared this *Remediation Summary & Deferral Request* for the release site known as the Jalapeno RP HGB Outlet (henceforth, "Jalapeno RP"). 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 RP HGB Outlet</u>	Site Type: <u>Salt Water Disposal (SWD)</u>
Date Release Discovered: <u>4/3/2022</u>	API # (if applicable): <u>N/A</u>

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

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

### 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>294</u>	Volume Recovered (bbls) <u>214</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 and Affected Area:

Horizontal gun barrel vessel fiberglass outlet piping separated from outlet valve flange.

### 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 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 Jalapeno RP release 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, an investigative soil boring/temporary monitor well was drilled at the site in an effort to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 80 feet below ground surface (bgs) and left open for over 72 hours. A groundwater gauging event conducted on May 9, 2022, indicated the depth to groundwater was approximately 44 feet bgs. The location of the investigative soil bore/temporary monitor well is depicted in Figure 2. A drilling log is provided in Appendix B.

What is the shallowest depth to groundwater beneath the area affected by the release?	44'		
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) and Fish & Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2, 4, and 5.

## 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Jalapeno RP are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
44'	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	N/A	N/A
	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 April 6, 2022, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil within the release margins affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and field test results suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

On April 7, 2022, Etech advanced a series of test trenches within the release margins in an effort to determine the vertical extent of impacted soil. During the advancement of the test trenches, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit. Based on field observations and field test data, one (1) delineation soil sample (T.T. 4 @ 2') was submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined in the area characterized by test trench T.T. 4 and did not extend beyond two (2) feet bgs.

On April 12, 2022, Etech collected two (2) confirmation soil samples (FL 1 @ 4' and FL 2 @ 4') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory method detection limit (MDL). Chloride concentrations were 112 mg/kg in both soil samples.

On April 13, 2022, Etech collected four (4) confirmation soil samples (FL 3 @ 4' through FL 6 @ 4') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory MDL. Chloride concentrations ranged from 176 mg/kg (FL 5 @ 4') to 400 mg/kg (FL 3 @ 4').

On April 14, 2022, Etech collected two (2) confirmation soil samples (FL 7 @ 4' and FL 8 @ 4') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL. Chloride concentrations were 1,380 mg/kg (FL 7 @ 4') and 704 mg/kg (FL 8 @ 4'), which exceeded the NMOCD Closure Criterion. Based on these laboratory analytical results, the excavation was further advanced in the areas characterized by sample points FL 7 @ 4' and FL 8 @ 4'.

In addition, Etech advanced a series of test trenches within the release margins to further investigate the vertical extent of impacted soil. During the advancement of the test trenches, soil samples were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit. Based on field observations and field test data, a total of eight (8) delineation soil samples (T.T. 1 @ 2', T.T. 1 @ 4', T.T. 1 @ 6', T.T. 1 @ 8', T.T. 5 @ Surface, T.T. 5 @ 2', T.T. 6 @ Surface, and T.T. 6 @ 3') were submitted to the laboratory for analysis of chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined and ranged from approximately two (2) feet bgs in the area characterized by test trench T.T. 5 to six (6) feet bgs in the area characterized by test trench T.T. 1.

On April 19, 2022, Etech collected five (5) confirmation soil samples (NW1, EW1, FL 9 @ 4', FL 10 @ 4', and FL 11 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg (FL 11 @ 4') to 192 mg/kg (FL 9 @ 4').

In addition, Etech advanced a series of hand-augered soil bores (EDEF 1, SDEF 1, WDEF 1, and WDEF 2) in an effort to characterize the affected area adjacent to and/or beneath the on-site storage tanks and associated containment areas, piping, appurtenances, and electrical facilities requiring deferral of remediation. During the advancement of the soil bores, soil samples were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit. Based on field observations and field test data, a total of eight (8) deferral characterization soil samples (EDEF 1 @ Surface, EDEF 1 @ 4', SDEF 1 @ Surface, SDEF 1 @ 4', WDEF 1 @ Surface, WDEF 1 @ 4', WDEF 2 @ Surface, and WDEF 2 @ 4') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical data, the vertical extent of impacted soil was adequately defined in the areas characterized by sample points EDEF 1, SDEF 1, WDEF 1, and WDEF 2 and did not extent beyond four (4) feet bgs.

On April 20, 2022, Etech collected one (1) confirmation soil sample (FL 12 @ 4') from the floor of the excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. BTEX and TPH concentrations were also below the applicable laboratory MDL. The chloride concentration was 128 mg/kg.

On April 25, 2022, Etech collected three (3) confirmation soil samples (FL 13 @ 4', FL 14 @ 4', and FL 15 @ 4') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory MDL. Chloride concentrations ranged from 192 mg/kg (FL 15 @ 4') to 240 mg/kg (FL 13 @ 4').

On April 26, 2022, Etech collected 13 confirmation soil samples (NW2, WW1, WW2, and FL 16 @ 4' through FL 25 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg (FL 16 @ 4' and FL 24 @ 3') to 208 mg/kg (WW2).

On April 28, 2022, Etech collected 10 confirmation soil samples (NW3, EW2, SW1, SW2, WW3, WW4, WW5, FL 26 @ 1', FL 27 @ 1', and FL 28 @ 2') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg (FL 27 @ 1' and FL 28 @ 2') to 416 mg/kg (SW2).

On April 29, 2022, Etech collected 10 confirmation soil samples (NW4, EW3, EW4, SW3, and FL 29 @ 1' through FL 34 @ 1') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory MDL. Chloride concentrations ranged from 64.0 mg/kg (EW4, SW3, and FL 32 @ 1') to 96.0 mg/kg (EW3 and FL 33 @ 1').

On May 2, 2022, Etech collected 15 confirmation soil samples (NW5, NW6, EW5, and FL 35 @ 3' through FL 46 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX concentrations were also below the laboratory MDL. TPH concentrations ranged from less than the laboratory MDL (NW6, EW5, FL 39 @ 3', FL 40 @ 3', and FL 43 @ 3' through FL 46 @ 3') to 21.8 mg/kg (FL 37 @ 3'). Chloride concentrations ranged from 160 mg/kg (NW5 and NW6) to 672 mg/kg (FL 37 @ 3') and exceeded the NMOCD Closure Criterion in soil samples FL 35 @ 3', FL 36 @ 3', and FL 37 @ 3'. Based on these laboratory analytical results, the excavation was further advanced in the areas characterized by sample points FL 35 @ 3', FL 36 @ 3', and FL 37 @ 3'.

On May 5, 2022, Etech collected 19 confirmation soil samples (NW7, EW5, EW6, EW7, SW4, SW5, SW6, WW6, and FL 47 @ 3' through FL 57 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg (SW5, FL 51 @ 3', and FL 53 @ 3') to 208 mg/kg (FL 49 @ 3').

On May 10, 2022, Etech collected five (5) confirmation soil samples (FL 7 @ 6', FL 8 @ 6', FL 35 @ 4', FL 36 @ 4', and FL 37 @ 4') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg (FL 7 @ 6') to 96.0 mg/kg (FL 37 @ 4').

On May 16, 2022, Etech advanced a series of six (6) hand-augered soil bores (NH1, EH1, SH1, WH1, WH2, and WH3) along the perimeter of the excavated area to confirm that the horizontal extent of impacted soil had been fully delineated. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit. Based on field observations and field test data, a total of 12 delineation soil samples (NH1 @ Surface, NH1 @ 1', EH1 @ Surface, EH1 @ 1', SH1 @ Surface, SH1 @ 1', WH1 @ Surface, WH1 @ 1', WH2 @ Surface, WH2 @ 1', WH3 @ Surface, and WH3 @ 1') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated 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 applicable laboratory MDL. Based on laboratory analytical results, the horizontal extent of impacted soil was adequately defined in the areas characterized by auger holes NH1, EH1, SH1, WH1, WH2, and WH3.

The final dimensions of the excavated area were approximately 98 to 208 feet in length, four (4) to 115 feet in width, and one (1) to six (6) feet in depth. During the course of remediation activities, Etech transported approximately 1,476 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal.

Soil sample locations and the extent of the excavated area are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and a soil profile log are provided in Appendix B. General photographs of the release site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D.

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

The release was limited to the production pad of an active SWD facility. Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions and compacted/contoured to meet the needs of the facility. Final remediation, reclamation, and revegetation will be conducted upon decommissioning and abandonment of the SWD.

## **6.0 DEFERRAL REQUEST**

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria was excavated to the extent practicable and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria. Impacted soil affected above the NMOCD Closure Criteria in the areas characterized by sample locations EDEF 1, SDEF 1, WDEF 1, and WDEF 2 will be remediated upon decommissioning and abandonment of the SWD facility, in accordance with Section 19.15.29.13 NMAC. Etech and Goodnight maintain excavation of impacted soil beneath the lined SWD containment areas would require a major facility deconstruction.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Goodnight provide copies of this *Remediation Summary & Deferral Request* to the appropriate agencies and cease remediation activities at the Jalapeno RP release site.

## **7.0 LIMITATIONS**

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & 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 reference 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  
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*

***Merchant Livestock Company***

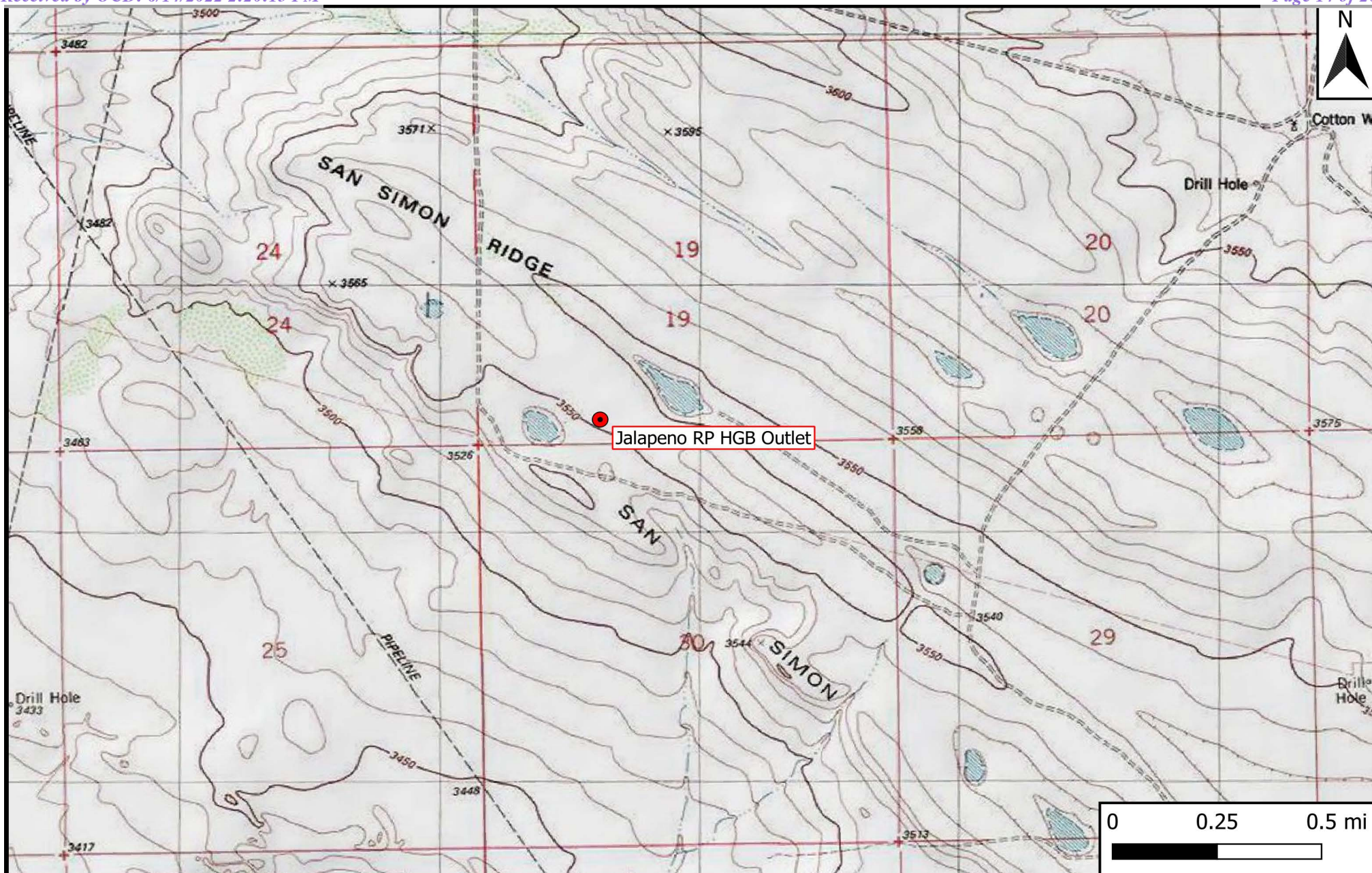
*P.O. Box 1105  
Eunice, NM 88231*

*(Electronic Submission)*



# **Figure 1**

## **Topographic Map**



### Legend

-  Site Location

**Figure 1**

Topographic Map  
Goodnight Midstream Permian, LLC  
Jalapeno RP HGB Outlet  
GPS: 32.37081, -103.41011  
Lea County

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

Drafted: mag

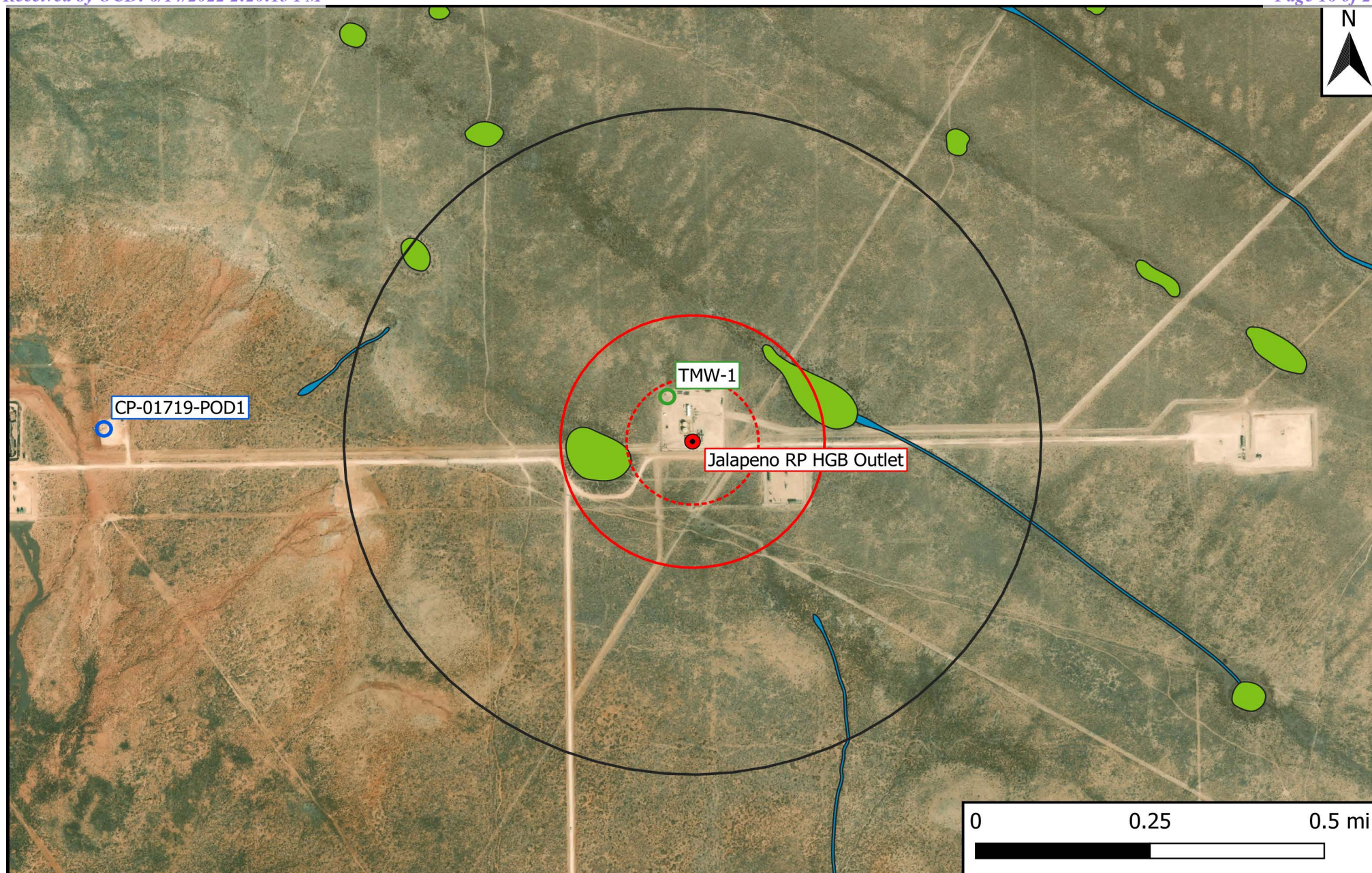
Checked: jwl

Date: 1/28/22

## **Figure 2**

### **Aerial Proximity Map**





## Legend

● Site Location	1% Annual Flood Chance	500-Ft Radius
○ Well - NMOSE	Emergent/Forested Wetlands	1,000-Ft Radius
○ Well - USGS	Freshwater Pond/Lake	0.5-Mi Radius
○ Well - Exploratory/Monitor	Medium/High Karst	
— Potash Mine Workings	Riverine	

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



Drafted: bja

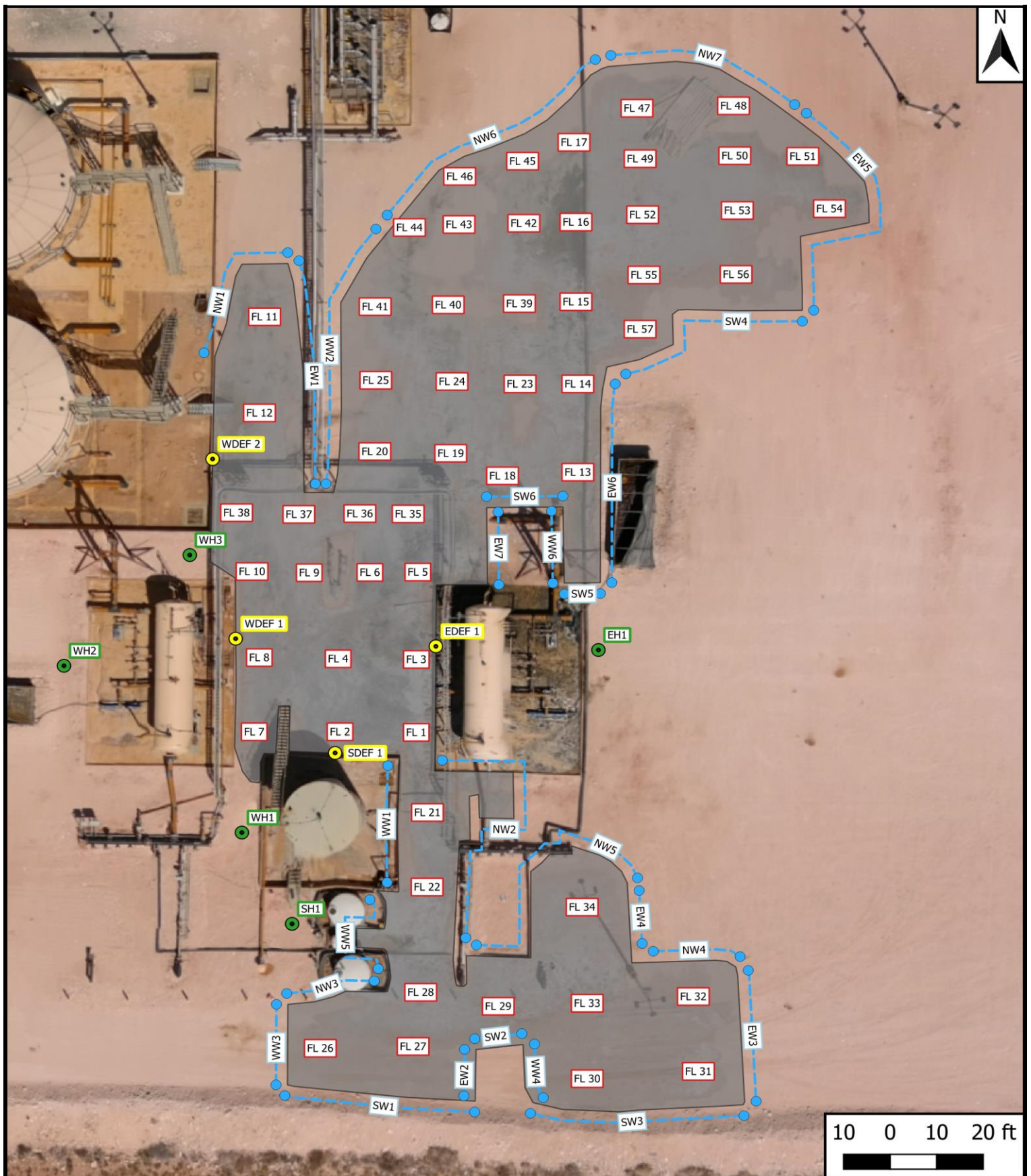
Checked: jwl

Date: 1/28/22



## **Figure 3**

### **Site & Sample Location Map**



## Legend

- Excavation Extent
- Composite Floor Sample
- Composite Wall Sample
- Deferral Characterization Sample
- Delineation Sample

## Figure 3

Site & Sample Location Map  
 Goodnight Midstream Permian, LLC  
 Jalapeno RP HGB Outlet  
 GPS: 32.37081, -103.41011  
 Lea County



Drafted: bja

Checked: jwl

Date: 6/12/22

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

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Goodnight Midstream Permian, LLC Jalapeno RP HGB Outlet NMOCD Ref. #: nAPP2209436536											
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)
Delineation & Deferral Samples											
T.T. 1 @ 2'	4/14/2022	2	Excavated	-	-	-	-	-	-	-	2,960
T.T. 1 @ 4'	4/14/2022	4	Excavated	-	-	-	-	-	-	-	2,600
T.T. 1 @ 6'	4/14/2022	6	In-Situ	-	-	-	-	-	-	-	560
T.T. 1 @ 8'	4/14/2022	8	In-Situ	-	-	-	-	-	-	-	592
T.T. 4 @ 2'	4/7/2022	2	In-Situ	-	-	-	-	-	-	-	96.0
T.T. 5 @ Surface	4/14/2022	0	Excavated	-	-	-	-	-	-	-	9,120
T.T. 5 @ 2'	4/14/2022	2	In-Situ	-	-	-	-	-	-	-	288
T.T. 6 @ Surface	4/14/2022	0	Excavated	-	-	-	-	-	-	-	13,400
T.T. 6 @ 3'	4/14/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
NH1 @ Surface	5/16/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
NH1 @ 1'	5/16/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
EH1 @ Surface	5/16/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
EH1 @ 1'	5/16/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
SH1 @ Surface	5/16/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
SH1 @ 1'	5/16/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
WH1 @ Surface	5/16/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
WH1 @ 1'	5/16/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
WH2 @ Surface	5/16/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
WH2 @ 1'	5/16/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
WH3 @ Surface	5/16/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WH3 @ 1'	5/16/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
EDEF 1 @ Surface	4/19/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	28,800
EDEF 1 @ 4'	4/19/2022	4	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SDEF 1 @ Surface	4/19/2022	0	Excavated	<0.050	<0.300	<10.0	46.3	46.3	<10.0	46.3	28,800
SDEF 1 @ 4'	4/19/2022	4	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WDEF 1 @ Surface	4/19/2022	0	Excavated	<0.050	<0.300	<10.0	1,390	1,390	465	1,860	6,000
WDEF 1 @ 4'	4/19/2022	4	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WDEF 2 @ Surface	4/19/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
WDEF 2 @ 4'	4/19/2022	4	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
Delineation & Deferral Samples											
NW1	4/19/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW2	4/26/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
NW3	4/28/2022	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW4	4/29/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW5	5/2/2022	0-1	In-Situ	<0.050	<0.300	<10.0	10.1	10.1	<10.0	10.1	160
NW6	5/2/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
NW7	5/5/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
EW1	4/19/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
EW2	4/28/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
EW3	4/29/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0

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

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



**Table 1**  
**Concentrations of BTEX, TPH & Chloride in Soil**  
**Goodnight Midstream Permian, LLC**  
**Jalapeno RP HGB Outlet**  
**NMOCD Ref. #: nAPP2209436536**

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)
EW4	4/29/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW5	5/2/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
EW5	5/5/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
EW6	5/5/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
EW7	5/5/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW1	4/28/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
SW2	4/28/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
SW3	4/29/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW4	5/5/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW5	5/5/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW6	5/5/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW1	4/26/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
WW2	4/26/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
WW3	4/28/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WW4	4/28/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WW5	4/28/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
WW6	5/5/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 1 @ 4'	4/12/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 2 @ 4'	4/12/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 3 @ 4'	4/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 4 @ 4'	4/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 5 @ 4'	4/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 6 @ 4'	4/13/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 7 @ 4'	4/14/2022	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,380</b>
FL 7 @ 6'	5/10/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 8 @ 4'	4/14/2022	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>704</b>
FL 8 @ 6'	5/10/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 9 @ 4'	4/19/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 10 @ 4'	4/19/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 11 @ 4'	4/19/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 12 @ 4'	4/20/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 13 @ 4'	4/25/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 14 @ 4'	4/25/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 15 @ 4'	4/25/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 16 @ 4'	4/26/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 17 @ 4'	4/26/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 18 @ 3'	4/26/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 19 @ 3'	4/26/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 20 @ 3'	4/26/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 21 @ 3'	4/26/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 22 @ 3'	4/26/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192

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

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

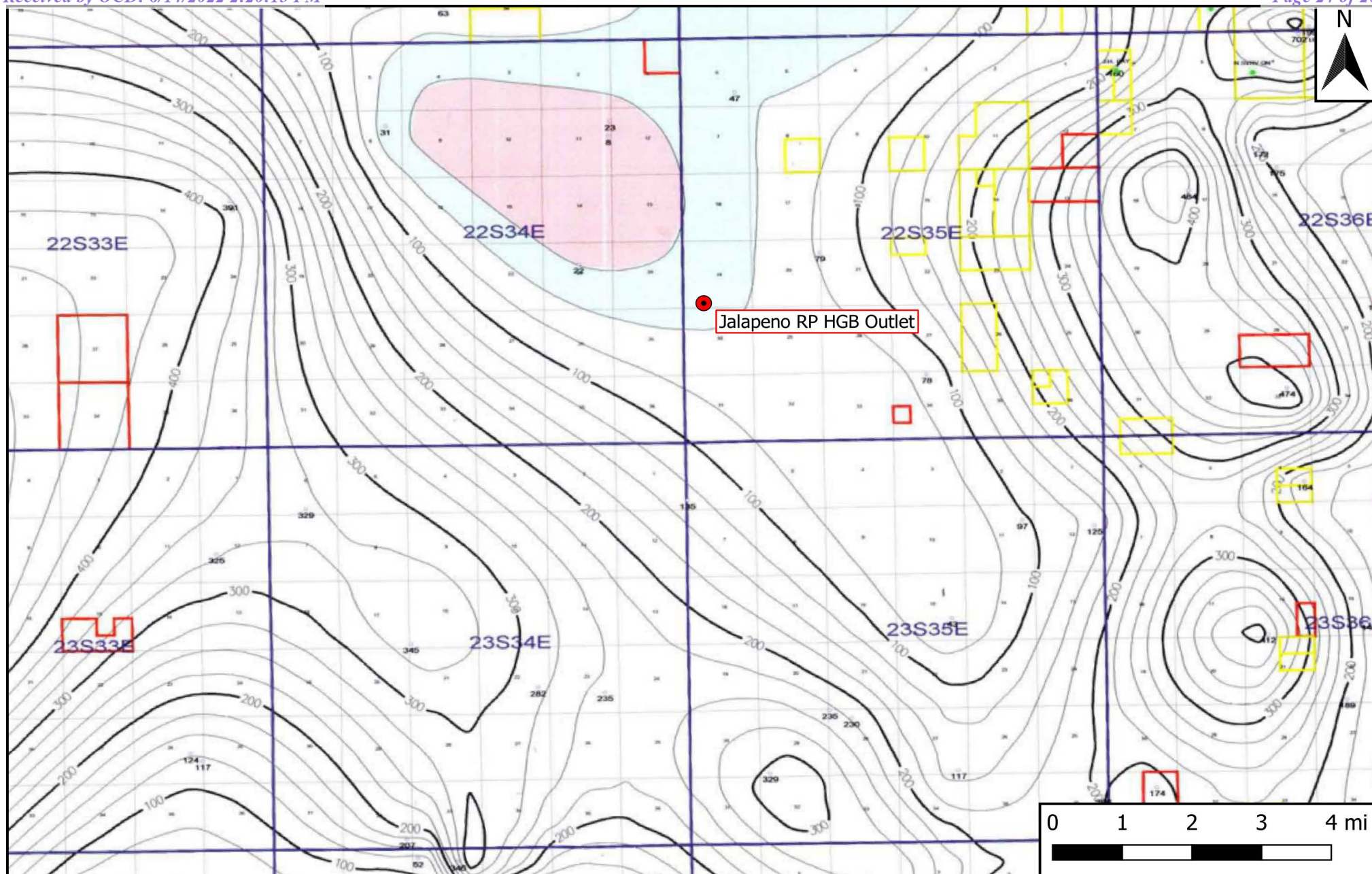
<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Goodnight Midstream Permian, LLC</b> <b>Jalapeno RP HGB Outlet</b> <b>NMOCD Ref. #: nAPP2209436536</b>											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	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)
FL 23 @ 3'	4/26/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 24 @ 3'	4/26/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 25 @ 3'	4/26/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 26 @ 1'	4/28/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 27 @ 1'	4/28/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 28 @ 2'	4/28/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 29 @ 1'	4/29/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 30 @ 1'	4/29/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 31 @ 1'	4/29/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 32 @ 1'	4/29/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 33 @ 1'	4/29/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 34 @ 1'	4/29/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 35 @ 3'	5/2/2022	3	Excavated	<0.050	<0.300	<10.0	17.6	17.6	<10.0	17.6	<b>624</b>
FL 35 @ 4'	5/10/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 36 @ 3'	5/2/2022	3	Excavated	<0.050	<0.300	<10.0	19.3	19.3	<10.0	19.3	<b>608</b>
FL 36 @ 4'	5/10/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 37 @ 3'	5/2/2022	3	Excavated	<0.050	<0.300	<10.0	21.8	21.8	<10.0	21.8	<b>672</b>
FL 37 @ 4'	5/10/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 38 @ 3'	5/2/2022	3	In-Situ	<0.050	<0.300	<10.0	13.9	13.9	<10.0	13.9	560
FL 39 @ 3'	5/2/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 40 @ 3'	5/2/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 41 @ 3'	5/2/2022	3	In-Situ	<0.050	<0.300	<10.0	14.5	14.5	<10.0	14.5	288
FL 42 @ 3'	5/2/2022	3	In-Situ	<0.050	<0.300	<10.0	15.0	15.0	<10.0	15.0	272
FL 43 @ 3'	5/2/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 44 @ 3'	5/2/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 45 @ 3'	5/2/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 46 @ 3'	5/2/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 47 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 48 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 49 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 50 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 51 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 52 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 53 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 54 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 55 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 56 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 57 @ 3'	5/5/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112

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

**Bold:** NMOCD Closure Criteria exceedance.*Italicized:* 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 RP HGB Outlet  
 GPS: 32.37081, -103.41011  
 Lea County

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

Drafted: bja

Checked: jwl

Date: 1/28/22



# 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	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	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

UTMNAD83 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.

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)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
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

Drill Start Date: 05/20/2019 Drill Finish Date: 05/24/2019 Plug Date:

Log File Date: 06/10/2019 PCW Rev Date: Source: Artesian

Pump Type: Pipe Discharge Size: Estimated Yield: 100 GPM

Casing Size: 8.00 Depth Well: 1173 feet Depth Water: 838 feet

### Water Bearing Stratifications:

Top	Bottom	Description
826	857	Shale/Mudstone/Siltstone
857	953	Shale/Mudstone/Siltstone
953	1150	Sandstone/Gravel/Conglomerate
1150	1173	Shale/Mudstone/Siltstone

### Casing Perforations:

Top	Bottom
753	1173

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.

POINT OF DIVERSION SUMMARY





## Legend

- Site Location
- Well - USGS
- ⋯ 500-Ft Radius
- ▭ 1,000-Ft Radius
- ▭ 0.5-Mi Radius

## Figure 5

USGS Well Proximity Map  
Goodnight Midstream Permian, LLC  
Jalapeno RP HGB Outlet  
GPS: 32.37081, -103.41011  
Lea County



Drafted: bja

Checked: jwl

Date: 1/28/22





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USGS Water Resources

**Data Category:**

**Data category:**  
Groundwater

Geographic Area:

United States

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## Groundwater levels for the Nation



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## 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**

Lea County, New Mexico

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 (N99990OTHER) 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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1968-06-10		D	72019	25.25			1	Z			A
1971-09-08		D	72019	26.98			P	Z			A
1976-12-16		D	72019	24.30			1	Z			A
1981-03-18		D	72019	23.37			1	Z			A
1986-04-10		D	72019	22.83			1	Z			A
1991-05-03		D	72019	22.53			1	Z			A



Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1996-02-21		D	72019	22.13			1	S			A
2015-12-18	21:30 UTC	m	72019	17.39			1	S	USGS	S	A

## Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

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0.32 0.27 nadww01



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Data Category:

Groundwater

Geographic Area:

United States

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Groundwater levels for the Nation



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### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 322238103225201

Minimum number of levels = 1

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### USGS 322238103225201 22S.35E.20.22442

Lea County, New Mexico

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 (N99990THER) 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](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1965-11-02		D	72019	77.57			1	Z			A
1968-06-10		D	72019	75.64			P	Z			A
1970-12-04		D	72019	77.17			P	Z			A
1996-02-16		D	72019	78.75			1	S			A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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0.29 0.25 nadww01



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USGS Water Resources

Data Category: Groundwater

Geographic Area: United States

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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

Lea County, New Mexico

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

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-12-16			D	72019	77.90		1	Z			A
1981-03-18			D	72019	77.57		1	Z			A
1986-03-21			D	72019	77.29		1	Z			A
1991-05-03			D	72019	78.74		1	Z			A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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0.38 0.35 nadww01

## **Appendix B**

### **Field Data & Soil Profile Logs**



# Sample Log

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

Project: Jalapeno CRP HGB Outlet

Project Number: 15858 Latitude: 0 Longitude: 0

Sample ID	PID/Odor	Chloride Conc.	GPS
T. 1 @ 1', 2', 3', 4, 5', 6, 8, 9'		900, 600, 548, 548, 548, 900, 372, 316	
T. 2 @ 1', 2', 3'		TPH was bad	
T. 3 @ 1', 2'		TPH was bad	
T. 4 @ 2'		1, 116	
T. 5 @ surf, 1', 2', 3', 4'		6356, 648, 488	
T. 6 @ surf, 1', 2', 3'		9296, 1812, 488, 160	
FL 1 @ 4'	-	2.4 268	
FL 2 @ 4'	-	2.8 364	
FL 3 @ 4'	-	2.8 316	
FL 4 @ 4'	-	2.6 280	
FL 5 @ 4'	-	2.6 280	
FL 6 @ 4'	-	2.4 244	
FL 7 @ 4'	-	5.8 1124	
FL 8 @ 4'	-	4.0 596	
EDEF 1 @ surface	-	7.8 H.S. 12860	
EDEF 1 @ 4'	-	2.0 188	
SDEF 1 @ surface	-	8.0 H.S. 13692	
SDEF 1 @ 4'	-	2.0 188	
WDEF 1 @ surface	-	8.0 2592	
WDEF 1 @ 4'	-	2.0 188	
WDEF 2 @ surface	-	8.0 2522	
WDEF 2 @ 4'	-	2.6 280	
FL 9 @ 4'	-	3.4 440	
FL 10 @ 4'	-	2.4 440	
NW 1	-	2.6 280	
FL 11 @ 4'	-	2.0 188	
DW 1	-	3.0 352	
FL 12 @ 4'	-	2.0 188	
FL 13 @ 4'	-	2.8 316	
FL 14 @ 4'	-	3.0 352	
FL 15 @ 4'	-	2.8 316	
FL 16 @ 4'	-	2.6 280	
FL 17 @ 4'	-	2.4 244	
FL 18 @ 3'	-	2.6 280	

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: 2/22/22Project: Harbor AP JalapeñoProject Number: 15242

Latitude: \_\_\_\_\_

Longitude: \_\_\_\_\_

Sample ID	PID/Odor	Chloride Conc.		GPS
<del>FL 19 @ 3'</del>	-	196		
<del>FL 20 @ 3'</del>	-	326		
<del>FL 21 @ 3'</del>	-	196		
<del>FL 22 @ 3'</del>	-	216		
<del>FL 23 @ 3'</del>	-	196		
<del>FL 24 @ 3'</del>	-	272		
<del>FL 25 @ 3'</del>	-	289		
WW2	-			
FL 23 @ 3'	-			
FL 24 @ 3'	-			
FL 25 @ 3'	-			
WW3	-	2.0	184	
FL 26 @ 1'	-	1.8	198	
FL 27 @ 1'	-	2.0	184	
SW1	-	3.0	412	
SW2	-	2.8	364	
FL 28 @ 2'	-	2.8	198	
EW2	-	2.8	364	
WW4	-	3.0	412	
NW3	-	2.8	364	
WW5	-	3.0	412	
SW3	-	3.0	412	
EW3	-	2.8	364	
NW4	-	2.8	364	
FL 29 @ 1'	-	3.0	412	
FL 30 @ 1'	-	184		
FL 31 @ 1'	-	148		
FL 32 @ 1'	-	364		
FL 33 @ 1'	-	412		
FL 34 @ 1'	-	412		
NW4	-	364		
FL 35 @ 3'	-	184		
FL 36 @ 3'	-	412		
FL 37 @ 3'	-	148		
FL 38 @ 3'	-	184		
EW5	-	184		

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



Date: 7/24/21

Project Number: Endage

Latitude:

Longitude:

### GPS Sample Points, Center of Comp Areas



## 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.

## **Appendix C**

### **Photographic Log**

## Photographic Log


<b>Photo Number:</b> 1	 <p>April 4, 2022 32.3711021, -103.4100973</p>
<b>Photo Direction:</b> Overhead/Bird's Eye	
<b>Photo Description:</b>  Aerial view of the affected area.	

<b>Photo Number:</b> 2	 <p>Apr 4, 2022 at 9:46:09 AM +32.371409, -103.410349 ±29.00m 257° W</p>
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of the affected area.	



## Photographic Log

<b>Photo Number:</b> 3	 <p>Apr 4, 2022 at 9:48:23 AM +32.370743,-103.409996 ±5.00m 27° NE</p>
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the affected area.	

<b>Photo Number:</b> 4	 <p>Apr 4, 2022 at 9:47:07 AM +32.370928,-103.409903 ±5.00m 351° N</p>
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of the affected area.	




## Photographic Log


<b>Photo Number:</b> 5	
<b>Photo Direction:</b> Northwest	
<b>Photo Description:</b>  View of the affected area.	

<b>Photo Number:</b> 6	
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the affected area.	



## Photographic Log


<b>Photo Number:</b> 7	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 8	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	



## Photographic Log


<b>Photo Number:</b> 9	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 10	
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the excavated area.	




## Photographic Log


<b>Photo Number:</b> 11	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 12	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	



## Photographic Log

<b>Photo Number:</b> 13	
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 14	
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the remediated area after backfilling and regrading.	



## Photographic Log

<b>Photo Number:</b> 15	
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of the remediated area after backfilling and regrading.	

<b>Photo Number:</b> 16	
<b>Photo Direction:</b> East	
<b>Photo Description:</b>  View of the remediated area after backfilling and regrading.	





## Photographic Log

<b>Photo Number:</b> 17	
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of the remediated area after backfilling and regrading.	

<b>Photo Number:</b> 18	
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the remediated area after backfilling and regrading.	

## Photographic Log

<b>Photo Number:</b> 19	
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the remediated area after backfilling and regrading.	

<b>Photo Number:</b> 20	
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the advancement of temporary monitor well TMW-1.	



## **Appendix D**

### **Laboratory Analytical Reports**



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

---

April 14, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 04/11/22 15:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 04/11/2022  
 Reported: 04/14/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TT - 6 @ SURFACE (H221480-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13400	16.0	04/14/2022	ND	416	104	400	3.77	

**Sample ID: TT - 6 @ 3' (H221480-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/14/2022	ND	416	104	400	3.77	

Cardinal Laboratories

\*=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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Celey D. Keene, Lab Director/Quality Manager







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---

April 14, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 04/11/22 15:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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: 04/11/2022  
 Reported: 04/14/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TT - 4 @ 2' (H221481-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/14/2022	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
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---

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---

Celey D. Keene, Lab Director/Quality Manager





## ARDINAL LABORATORIES

**101 East Marland, Hobbs, NM 88240**

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 4 of 4

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

---

April 14, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 04/11/22 15:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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).

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/11/2022  
 Reported: 04/14/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/07/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TT - 5 @ SURFACE (H221482-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9120	16.0	04/14/2022	ND	416	104	400	3.77	

**Sample ID: TT - 5 @ 2' (H221482-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/14/2022	ND	416	104	400	3.77	

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### Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 4 of 4

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

---

April 14, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 04/11/22 15:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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).

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

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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:	04/11/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	JALAPENO CRP HGB OUTLET	Sampling Condition:	Cool & Intact
Project Number:	15858	Sample Received By:	Shalyn Rodriguez
Project Location:	GOODNIGHT MIDSTREAM - LEA CO NM		

**Sample ID: T.T. 1 @ 2' (H221483-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	04/14/2022	ND	416	104	400	3.77	

**Sample ID: T.T. 1 @ 4' (H221483-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	04/14/2022	ND	416	104	400	3.77	

**Sample ID: T.T. 1 @ 6' (H221483-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	04/14/2022	ND	416	104	400	3.77	

**Sample ID: T.T. 1 @ 8' (H221483-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	04/14/2022	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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RPD	Relative Percent Difference
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***	Insufficient time to reach temperature.
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Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

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

---

April 21, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 04/14/22 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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).

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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Sincerely,

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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: 04/14/2022  
 Reported: 04/21/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 1 @ 4' (H221574-01)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2022	ND	2.04	102	2.00	3.83		
Toluene*	<0.050	0.050	04/19/2022	ND	2.04	102	2.00	4.40		
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.03	102	2.00	4.09		
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	4.40		
Total BTEx	<0.300	0.300	04/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	04/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	210	105	200	4.01	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	183	91.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

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: 04/14/2022  
 Reported: 04/21/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 2 @ 4' (H221574-02)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2022	ND	2.04	102	2.00	3.83		
Toluene*	<0.050	0.050	04/19/2022	ND	2.04	102	2.00	4.40		
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.03	102	2.00	4.09		
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	4.40		
Total BTEx	<0.300	0.300	04/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	04/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	210	105	200	4.01	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	183	91.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 152 % 66.9-136

Surrogate: 1-Chlorooctadecane 163 % 59.5-142

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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  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 04/14/2022  
 Reported: 04/21/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 3 @ 4' (H221574-03)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2022	ND	2.04	102	2.00	3.83		
Toluene*	<0.050	0.050	04/20/2022	ND	2.04	102	2.00	4.40		
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	2.03	102	2.00	4.09		
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.31	105	6.00	4.40		
Total BTEx	<0.300	0.300	04/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	210	105	200	4.01	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	183	91.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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: 04/14/2022  
 Reported: 04/21/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 4 @ 4' (H221574-04)**

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	04/20/2022	ND	2.04	102	2.00	3.83	
Toluene*	<0.050	0.050	04/20/2022	ND	2.04	102	2.00	4.40	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	2.03	102	2.00	4.09	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.31	105	6.00	4.40	
Total BTX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	210	105	200	4.01	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	183	91.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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: 04/14/2022  
 Reported: 04/21/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 5 @ 4' (H221574-05)**

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2022	ND	2.04	102	2.00	3.83	
Toluene*	<0.050	0.050	04/20/2022	ND	2.04	102	2.00	4.40	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	2.03	102	2.00	4.09	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.31	105	6.00	4.40	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	210	105	200	4.01	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	183	91.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 144 % 66.9-136

Surrogate: 1-Chlorooctadecane 155 % 59.5-142

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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: 04/14/2022  
 Reported: 04/21/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 6 @ 4' (H221574-06)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2022	ND	2.01	100	2.00	1.56		
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48		
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41		
Total BTEx	<0.300	0.300	04/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	210	105	200	4.01	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	183	91.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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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: 04/14/2022  
 Reported: 04/21/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/14/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 7 @ 4' (H221574-07)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2022	ND	2.01	100	2.00	1.56		
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48		
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41		
Total BTEx	<0.300	0.300	04/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	04/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	210	105	200	4.01	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	183	91.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 132 % 59.5-142

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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: 04/14/2022  
 Reported: 04/21/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/14/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 8 @ 4' (H221574-08)**

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	04/20/2022	ND	2.01	100	2.00	1.56		
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48		
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41		
Total BTEx	<0.300	0.300	04/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	04/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	210	105	200	4.01	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	183	91.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



---

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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.
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 1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: <i>Joel Lowry</i>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: 2617 W Marland				Company: <i>Goodnight</i>																									
City: Hobbs		State: NM		Zip: 88240		Attn:																							
Phone #: (575) 264-9884		Fax #:		Address:		City:																							
Project #: 15858		Project Owner: <i>Goodnight</i>		State:		Zip:																							
Project Name: <i>Jalapeno CRP HGB outlot</i>				Phone #:																									
Project Location: <i>Rural Lee Co, NM</i>				Fax #:																									
Sampler Name: <i>Miguel Ramirez</i>																													
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	
4221574				C		1						X								X						4/12/22			
1		FL1@4'		C		1						X								X						4/12/22			
2		FL2@4'																								4/13/22			
3		FL3@4'																											
4		FL4@4'																											
5		FL5@4'																											
6		FL6@4'																											
7		FL7@4'																								4/14/22			
8		FL8@4'																											

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Relinquished By: <i>[Signature]</i>	Date: 4-14-22	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1500		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Please email results and copy of CoC to pm@etechenv.com.	

Delivered By: (Circle One) <i>56C</i> C-0.5	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other: <i>5.1C #113</i>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>TO</i>



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

---

April 25, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 04/19/22 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EDEF 1 @ SURFACE (H221608-01)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	6.69		
Toluene*	<0.050	0.050	04/22/2022	ND	2.14	107	2.00	6.97		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.12	106	2.00	6.65		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.58	110	6.00	6.19		
Total BTEx	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28800	16.0	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 74.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.3 % 59.5-142

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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  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EDEF 1 @ 4' (H221608-02)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	6.69		
Toluene*	<0.050	0.050	04/22/2022	ND	2.14	107	2.00	6.97		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.12	106	2.00	6.65		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.58	110	6.00	6.19		
Total BTEX	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 77.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.4 % 59.5-142

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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  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SDEF 1 @ SURFACE (H221608-03)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	6.69		
Toluene*	<0.050	0.050	04/22/2022	ND	2.14	107	2.00	6.97		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.12	106	2.00	6.65		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.58	110	6.00	6.19		
Total BTEx	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28800	16.0	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	46.3	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 74.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.1 % 59.5-142

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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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SDEF 1 @ 4' (H221608-04)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	6.69		
Toluene*	<0.050	0.050	04/22/2022	ND	2.14	107	2.00	6.97		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.12	106	2.00	6.65		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.58	110	6.00	6.19		
Total BTEX	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.6 % 59.5-142

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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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WDEF 1 @ SURFACE (H221608-05)**

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	04/22/2022	ND	2.16	108	2.00	6.69		
Toluene*	<0.050	0.050	04/22/2022	ND	2.14	107	2.00	6.97		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.12	106	2.00	6.65		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.58	110	6.00	6.19		
Total BTX	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	04/21/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	207	103	200	8.71		
DRO >C10-C28*	1390	10.0	04/22/2022	ND	232	116	200	5.30		
EXT DRO >C28-C36	465	10.0	04/22/2022	ND						

Surrogate: 1-Chlorooctane 85.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 180 % 59.5-142

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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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WDEF 1 @ 4' (H221608-06)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	6.69		
Toluene*	<0.050	0.050	04/22/2022	ND	2.14	107	2.00	6.97		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.12	106	2.00	6.65		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.58	110	6.00	6.19		
Total BTEx	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.4 % 59.5-142

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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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WDEF 2 @ SURFACE (H221608-07)**

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	04/22/2022	ND	2.16	108	2.00	6.69		
Toluene*	<0.050	0.050	04/22/2022	ND	2.14	107	2.00	6.97		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.12	106	2.00	6.65		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.58	110	6.00	6.19		
Total BTX	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.3 % 59.5-142

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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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WDEF 2 @ 4' (H221608-08)**

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	04/22/2022	ND	2.16	108	2.00	6.69		
Toluene*	<0.050	0.050	04/22/2022	ND	2.14	107	2.00	6.97		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.12	106	2.00	6.65		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.58	110	6.00	6.19		
Total BTX	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.7 % 59.5-142

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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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW 1 (H221608-09)**

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	04/22/2022	ND	2.16	108	2.00	6.69		
Toluene*	<0.050	0.050	04/22/2022	ND	2.14	107	2.00	6.97		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.12	106	2.00	6.65		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.58	110	6.00	6.19		
Total BTEx	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.6 % 59.5-142

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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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 9 @ 4' (H221608-10)**

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	04/22/2022	ND	2.11	106	2.00	7.15		
Toluene*	<0.050	0.050	04/22/2022	ND	2.09	104	2.00	7.20		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	1.99	99.4	2.00	7.52		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.21	103	6.00	7.65		
Total BTEx	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.8 % 59.5-142

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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 10 @ 4' (H221608-11)**

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	04/22/2022	ND	2.11	106	2.00	7.15	
Toluene*	<0.050	0.050	04/22/2022	ND	2.09	104	2.00	7.20	
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	1.99	99.4	2.00	7.52	
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.21	103	6.00	7.65	
Total BTX	<0.300	0.300	04/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 74.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.8 % 59.5-142

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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 11 @ 4' (H221608-12)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2022	ND	2.11	106	2.00	7.15	
Toluene*	<0.050	0.050	04/22/2022	ND	2.09	104	2.00	7.20	
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	1.99	99.4	2.00	7.52	
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.21	103	6.00	7.65	
Total BTX	<0.300	0.300	04/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.5 % 59.5-142

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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: 04/19/2022  
 Reported: 04/25/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 1 (H221608-13)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2022	ND	2.11	106	2.00	7.15	
Toluene*	<0.050	0.050	04/22/2022	ND	2.09	104	2.00	7.20	
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	1.99	99.4	2.00	7.52	
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.21	103	6.00	7.65	
Total BTEx	<0.300	0.300	04/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/21/2022	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	04/22/2022	ND	207	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	232	116	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 80.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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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.
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 1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>															
Address: 2617 W Marland				Company: Goodnight																			
City: Hobbs		State: NM		Zip: 88240		Attn:																	
Phone #: (575) 264-9884		Fax #:		Address:		City:																	
Project #: 15858		Project Owner: Goodnight		State:		Zip:																	
Project Name: Jalapero CRPHGB outlet		Project Location: Bernal Lea Co, NM		Phone #:		Fax #:																	
Sampler Name: Miguel Ramirez																							
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	(G/RAB OR (C)COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME									
1	EDEF1 @ surface	C	1			X				X			4/19/22		X	X	X						
2	EDEF1 @ 4'																						
3	SDEF1 @ surface																						
4	SDEF1 @ 4'																						
5	WDEF1 @ surface																						
6	WDEF1 @ 4'																						
7	WDEF2 @ surface																						
8	WDEF2 @ 4'																						
<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: 4-19-22		Received By:		Time: 1520		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:		REMARKS:							
Relinquished By:		Date:		Received By:		Time:																	
Delivered By: (Circle One)		5.9°C		C-0.5°C		Sample Condition		Cool Intact		CHECKED BY:		(Initials)											
Sampler - UPS - Bus - Other:		5.4°C #13				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		T.O.													

FORM-006  
Revision 1.0

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



## 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: Joe Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																							
Address: 2617 W Marland				Company: Goodnight																											
City: Hobbs State: NM Zip: 88240				Attn:																											
Phone #: (575) 264-9884 Fax #:				Address:																											
Project #: 15858 Project Owner: Goodnight				City:																											
Project Name: Jalisco CPP HGB outlet				State: Zip:																											
Project Location: Rural La Co, NM				Phone #:																											
Sampler Name: Miguel Ramirez				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:																							
H2211608																															
9		NW1		C1				Y		X		4/19/22				X		X		X											
10		FL 9 @ 4'		↓						↓						↓		↓		↓											
11		FL 10 @ 4'		↓						↓						↓		↓		↓											
12		FL 11 @ 4'		↓						↓						↓		↓		↓											
13		EW1		↓						↓						↓		↓		↓											
<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: [Signature]				Date: 4-19-22		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																	
				Time: 1520						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																	
Relinquished By:				Date:		Received By:				REMARKS:																					
				Time:																											
Delivered By: (Circle One) 5.9c 5 C-0.5c				Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.																			
Sampler - UPS - Bus - Other: 5.4c #113				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				(Initials) [Signature]																							





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

---

April 28, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 04/26/22 14:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/20/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 12 @ 4' (H221705-01)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTEx	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	203	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	213	107	200	0.610	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 13 @ 4' (H221705-02)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	203	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	213	107	200	0.610	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 14 @ 4' (H221705-03)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	203	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	213	107	200	0.610	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 134 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 15 @ 4' (H221705-04)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	203	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	213	107	200	0.610	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 16 @ 4' (H221705-05)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	203	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	213	107	200	0.610	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 17 @ 4' (H221705-06)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	203	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	213	107	200	0.610	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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**Analytical Results For:**

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

Received: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 18 @ 3' (H221705-07)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTEx	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	203	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	213	107	200	0.610	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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**Analytical Results For:**

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

Received: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 19 @ 3' (H221705-08)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTEX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	203	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	213	107	200	0.610	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 20 @ 3' (H221705-09)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/27/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/27/2022	ND	203	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	213	107	200	0.610	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

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**Analytical Results For:**

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

Received: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 21 @ 3' (H221705-10)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/27/2022	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	04/27/2022	ND	203	102	200	3.07	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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**Analytical Results For:**

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

Received: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 22 @ 3' (H221705-11)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/27/2022	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	04/27/2022	ND	203	102	200	3.07	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.1 % 59.5-142

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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 1 (H221705-12)**

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	1.97	98.4	2.00	9.72	
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32	
Total BTX	<0.300	0.300	04/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/27/2022	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	04/27/2022	ND	203	102	200	3.07	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 2 (H221705-13)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTEX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/27/2022	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	04/27/2022	ND	203	102	200	3.07	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.8 % 59.5-142

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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 2 (H221705-14)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/27/2022	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	04/27/2022	ND	203	102	200	3.07	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 23 @ 3' (H221705-15)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTEX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/27/2022	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	04/27/2022	ND	203	102	200	3.07	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 24 @ 3' (H221705-16)**

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/27/2022	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	04/27/2022	ND	203	102	200	3.07	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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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: 04/26/2022  
 Reported: 04/28/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/26/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 25 @ 3' (H221705-17)**

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	04/28/2022	ND	1.97	98.4	2.00	9.72		
Toluene*	<0.050	0.050	04/28/2022	ND	1.94	97.0	2.00	10.6		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.4	2.00	9.55		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.99	99.8	6.00	9.32		
Total BTEx	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/28/2022	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	04/27/2022	ND	203	102	200	3.07	
DRO >C10-C28*	<10.0	10.0	04/27/2022	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	04/27/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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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 21 of 21

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																																																																																																																								
<b>Project Manager:</b> Joe Lowry				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																																																																																																																								
<b>Address:</b> 2617 W Marland				<b>Company:</b> Goodnight																																																																																																																																												
<b>City:</b> Hobbs		<b>State:</b> NM		<b>Zip:</b> 88240		<b>Attn:</b>																																																																																																																																										
<b>Phone #:</b> (575) 264-9884		<b>Fax #:</b>		<b>Address:</b>		<b>City:</b>																																																																																																																																										
<b>Project #:</b> 15858		<b>Project Owner:</b> Goodnight		<b>State:</b>		<b>Zip:</b>																																																																																																																																										
<b>Project Name:</b> Jalisco CRP HGB outlet				<b>Phone #:</b>																																																																																																																																												
<b>Project Location:</b> Rural Lee Co, NM				<b>Fax #:</b>																																																																																																																																												
<b>Sampler Name:</b> Miguel Romero																																																																																																																																																
<div style="display: flex;"> <div style="flex: 1;"> <b>FOR LAB USE ONLY</b> </div> <div style="flex: 2;"> <table border="1"> <thead> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="5">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER :</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER :</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>FL 22 @ 3'</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>4/26/22</td> <td></td> </tr> <tr> <td>12</td> <td>WW1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>13</td> <td>WW2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>14</td> <td>WW3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>15</td> <td>FL 23 @ 3'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>16</td> <td>FL 24 @ 3'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>17</td> <td>FL 25 @ 3'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> </div> </div>																Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE	ICE / COOL	OTHER :	11	FL 22 @ 3'	C	1			X					X		4/26/22		12	WW1														13	WW2														14	WW3														15	FL 23 @ 3'														16	FL 24 @ 3'														17	FL 25 @ 3'													
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<b>Relinquished By:</b>				<b>Date:</b> <b>Time:</b>		<b>Received By:</b>				<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Fax #:</b>																																																																																																																																				
<b>Delivered By: (Circle One)</b> 4.0% c-0.5%				<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) 				<b>REMARKS:</b> Collected same day as dropoff																																																																																																																																						
<b>Sampler - UPS - Bus - Other:</b> 3.5% #113								Please email results and copy of CoC 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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April 29, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 04/28/22 14:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 3 (H221760-01)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/28/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.30	105	6.00	1.08	
Total BTX	<0.300	0.300	04/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/29/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.7 % 59.5-142

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  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 26 @ 1' (H221760-02)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	2.12	106	2.00	0.955		
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08		
Total BTEx	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/29/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 1 (H221760-03)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/29/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.2 % 59.5-142

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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: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 2 (H221760-04)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEx	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	04/29/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.2 % 59.5-142

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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: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 27 @ 1' (H221760-05)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	2.12	106	2.00	0.955		
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08		
Total BTEx	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/29/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.3 % 59.5-142

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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: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 28 @ 2' (H221760-06)**

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	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/29/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.6 % 59.5-142

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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: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 2 (H221760-07)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/29/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.0 % 59.5-142

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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: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 4 (H221760-08)**

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	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/29/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.1 % 59.5-142

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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: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 5 (H221760-09)**

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	04/29/2022	ND	2.12	106	2.00	0.955		
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08		
Total BTEX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/29/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.3 % 59.5-142

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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: 04/28/2022  
 Reported: 04/29/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 3 (H221760-10)**

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	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEx	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/29/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.0 % 59.5-142

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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 cursive script, 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 1 of 1

Company Name: Etch Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																							
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																							
Address: 2617 W Marland				Company: Goodnight																											
City: Hobbs		State: NM		Zip: 88240		Attn:																									
Phone #: (575) 264-9884		Fax #:		Address:		City:																									
Project #: 15858		Project Owner: Goodnight		State:		Zip:																									
Project Name: Jalapeno CRP HGB outlet		Project Location: Rural Lea Co, NM		Phone #:		Fax #:																									
Sampler Name: Miguel Ramirez																															
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																			
H221760																															
1		WWS		C		1		X		X		4/22/20		X		X		X													
2		FL26@1'																													
3		SW1																													
4		SW2																													
5		FL27@1'																													
6		FL28@2'																													
7		EW2																													
8		WW4																													
9		WW5																													
10		NW3																													

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Relinquished By:	Date: 4-28-22	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1459		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Rush please	
	Time:		Please email results and copy of CoC to pm@etechenv.com.	
Delivered By: (Circle One) 648 C-0.5c	Sample Condition	CHECKED BY: (Initials) SK		
Sampler - UPS - Bus - Other: 5.9c #113	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

---

May 02, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 04/29/22 13:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 3 (H221780-01)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.0 % 59.5-142

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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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 3 (H221780-02)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW 4 (H221780-03)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 29 @ 1' (H221780-04)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	2.09	104	2.00	1.81		
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87		
Total BTEx	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 30 @ 1' (H221780-05)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	2.09	104	2.00	1.81		
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87		
Total BTEx	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 99.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 31 @ 1' (H221780-06)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	2.09	104	2.00	1.81		
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87		
Total BTEx	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.6 % 59.5-142

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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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 32 @ 1' (H221780-07)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	2.09	104	2.00	1.81		
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87		
Total BTEx	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 33 @ 1' (H221780-08)**

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	04/29/2022	ND	2.09	104	2.00	1.81		
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87		
Total BTEx	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.1 % 59.5-142

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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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 34 @ 1' (H221780-09)**

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	04/29/2022	ND	2.09	104	2.00	1.81		
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87		
Total BTEx	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 97.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.9 % 59.5-142

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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: 04/29/2022  
 Reported: 05/02/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 04/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 4 (H221780-10)**

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	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/02/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	<10.0	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

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

---

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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: <u>Etech Environmental</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
Project Manager: <u>Joel Lowry</u>				P.O. #:																					
Address: <u>2617 Marland</u>				Company: <u>Boceberg Int</u>																					
City: <u>Hobbs, NM</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																					
Phone #: Fax #:				Address:																					
Project #: <u>15858</u> Project Owner: <u>Credentia</u>				City:																					
Project Name: <u>Jalisco CRPHGB outlet</u>				State: Zip:																					
Project Location: <u>Walt Lea Co, NM</u>				Phone #:																					
Sampler Name: <u>Miguel Ramirez</u>				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											
<u>H221780</u>																									
1	SW3	C	1			X					X		4/29/22		Chlorides	X	X	X							
2	EW3																								
3	NW4																								
4	FL 29 @ 1'																								
5	FL 30 @ 1'																								
6	FL 31 @ 1'																								
7	FL 32 @ 1'																								
8	FL 33 @ 1'																								
9	FL 34 @ 1'																								
10	FW4																								

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Relinquished By: <u>[Signature]</u>	Date: <u>4-29-22</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: <u>[Signature]</u>	Date: <u>4-29-22</u>	Received By: <u>[Signature]</u>	All Results are emailed. Please provide Email address:
			REMARKS: <u>Bush please</u>
			<u>pm@etechemv.com</u>

Delivered By: (Circle One)	Observed Temp. °C <u>3.1</u>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: <u>Standard</u>	<input type="checkbox"/> Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>2.6</u>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>90</u>	<u>Rush</u>	<input checked="" type="checkbox"/> Cool Intact	Observed Temp. °C
		<input type="checkbox"/> No <input type="checkbox"/> No		Thermometer ID #113	<input type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temp. °C
				Correction Factor -0.5°C	<input type="checkbox"/> No <input type="checkbox"/> No	

FORM-006-R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to [caley.keene@cardinallabsnm.com](mailto:caley.keene@cardinallabsnm.com)



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

---

May 03, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 05/02/22 15:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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, flowing style.

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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 35 @ 3' (H221811-01)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	2.01	101	2.00	0.589	
Toluene*	<0.050	0.050	05/02/2022	ND	2.00	100	2.00	0.420	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.92	96.1	2.00	0.445	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.97	99.5	6.00	0.544	
Total BTEx	<0.300	0.300	05/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	05/03/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	188	94.2	200	8.09	
DRO >C10-C28*	17.6	10.0	05/03/2022	ND	188	94.1	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 36 @ 3' (H221811-02)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2022	ND	2.01	101	2.00	0.589		
Toluene*	0.057	0.050	05/02/2022	ND	2.00	100	2.00	0.420		
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.92	96.1	2.00	0.445		
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.97	99.5	6.00	0.544		
Total BTEx	<0.300	0.300	05/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	05/03/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	188	94.2	200	8.09	
<b>DRO &gt;C10-C28*</b>	<b>19.3</b>	10.0	05/03/2022	ND	188	94.1	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 37 @ 3' (H221811-03)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	2.01	101	2.00	0.589	
Toluene*	<0.050	0.050	05/02/2022	ND	2.00	100	2.00	0.420	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.92	96.1	2.00	0.445	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.97	99.5	6.00	0.544	
Total BTEx	<0.300	0.300	05/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	05/03/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	188	94.2	200	8.09	
DRO >C10-C28*	21.8	10.0	05/03/2022	ND	188	94.1	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 38 @ 3' (H221811-04)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2022	ND	2.01	101	2.00	0.589		
Toluene*	<0.050	0.050	05/02/2022	ND	2.00	100	2.00	0.420		
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.92	96.1	2.00	0.445		
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.97	99.5	6.00	0.544		
Total BTEx	<0.300	0.300	05/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	05/03/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	188	94.2	200	8.09	
DRO >C10-C28*	13.9	10.0	05/03/2022	ND	188	94.1	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.0 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 39 @ 3' (H221811-05)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2022	ND	2.01	101	2.00	0.589		
Toluene*	<0.050	0.050	05/02/2022	ND	2.00	100	2.00	0.420		
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.92	96.1	2.00	0.445		
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.97	99.5	6.00	0.544		
Total BTEX	<0.300	0.300	05/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/03/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	188	94.2	200	8.09	
DRO >C10-C28*	<10.0	10.0	05/03/2022	ND	188	94.1	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 40 @ 3' (H221811-06)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2022	ND	2.01	101	2.00	0.589		
Toluene*	<0.050	0.050	05/02/2022	ND	2.00	100	2.00	0.420		
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.92	96.1	2.00	0.445		
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.97	99.5	6.00	0.544		
Total BTEx	<0.300	0.300	05/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/03/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	188	94.2	200	8.09	
DRO >C10-C28*	<10.0	10.0	05/03/2022	ND	188	94.1	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 41 @ 3' (H221811-07)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2022	ND	2.01	101	2.00	0.589		
Toluene*	<0.050	0.050	05/02/2022	ND	2.00	100	2.00	0.420		
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.92	96.1	2.00	0.445		
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.97	99.5	6.00	0.544		
Total BTEx	<0.300	0.300	05/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/03/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	188	94.2	200	8.09	
DRO >C10-C28*	14.5	10.0	05/03/2022	ND	188	94.1	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 42 @ 3' (H221811-08)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	101	2.00	0.589	
Toluene*	<0.050	0.050	05/03/2022	ND	2.00	100	2.00	0.420	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	1.92	96.1	2.00	0.445	
Total Xylenes*	<0.150	0.150	05/03/2022	ND	5.97	99.5	6.00	0.544	
Total BTEx	<0.300	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/03/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	188	94.2	200	8.09	
DRO >C10-C28*	15.0	10.0	05/03/2022	ND	188	94.1	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 43 @ 3' (H221811-09)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	101	2.00	0.589		
Toluene*	<0.050	0.050	05/03/2022	ND	2.00	100	2.00	0.420		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	1.92	96.1	2.00	0.445		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	5.97	99.5	6.00	0.544		
Total BTEx	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/03/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	05/03/2022	ND	190	95.2	200	0.284	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 44 @ 3' (H221811-10)**

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	101	2.00	0.589		
Toluene*	<0.050	0.050	05/03/2022	ND	2.00	100	2.00	0.420		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	1.92	96.1	2.00	0.445		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	5.97	99.5	6.00	0.544		
Total BTX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/03/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	05/03/2022	ND	190	95.2	200	0.284	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 96.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 45 @ 3' (H221811-11)**

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	05/03/2022	ND	2.01	101	2.00	0.589		
Toluene*	<0.050	0.050	05/03/2022	ND	2.00	100	2.00	0.420		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	1.92	96.1	2.00	0.445		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	5.97	99.5	6.00	0.544		
Total BTX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/03/2022	ND	400	100	400	3.92		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	201	100	200	0.437		
DRO >C10-C28*	<10.0	10.0	05/03/2022	ND	190	95.2	200	0.284		
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND						

Surrogate: 1-Chlorooctane 94.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 46 @ 3' (H221811-12)**

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	05/03/2022	ND	2.01	101	2.00	0.589		
Toluene*	<0.050	0.050	05/03/2022	ND	2.00	100	2.00	0.420		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	1.92	96.1	2.00	0.445		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	5.97	99.5	6.00	0.544		
Total BTEx	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	05/03/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	05/03/2022	ND	190	95.2	200	0.284	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 5 (H221811-13)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	101	2.00	0.589	
Toluene*	<0.050	0.050	05/03/2022	ND	2.00	100	2.00	0.420	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	1.92	96.1	2.00	0.445	
Total Xylenes*	<0.150	0.150	05/03/2022	ND	5.97	99.5	6.00	0.544	
Total BTEX	<0.300	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/03/2022	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2022	ND	201	100	200	0.437	
DRO >C10-C28*	10.1	10.0	05/03/2022	ND	190	95.2	200	0.284	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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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: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 6 (H221811-14)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	101	2.00	0.589	
Toluene*	<0.050	0.050	05/03/2022	ND	2.00	100	2.00	0.420	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	1.92	96.1	2.00	0.445	
Total Xylenes*	<0.150	0.150	05/03/2022	ND	5.97	99.5	6.00	0.544	
Total BTEx	<0.300	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/03/2022	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	05/03/2022	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	05/03/2022	ND	190	95.2	200	0.284	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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**Analytical Results For:**

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

Received: 05/02/2022  
 Reported: 05/03/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 5 (H221811-15)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	101	2.00	0.589	
Toluene*	<0.050	0.050	05/03/2022	ND	2.00	100	2.00	0.420	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	1.92	96.1	2.00	0.445	
Total Xylenes*	<0.150	0.150	05/03/2022	ND	5.97	99.5	6.00	0.544	
Total BTEX	<0.300	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/03/2022	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	05/03/2022	ND	201	100	200	0.437	
DRO >C10-C28*	<10.0	10.0	05/03/2022	ND	190	95.2	200	0.284	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

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

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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

Page 19 of 19

Company Name: <u>E-Tech Environmental</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Joel Lowry</u>				P.O. #:															
Address: <u>2617 Marland</u>				Company: <u>Goodnight</u>															
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:															
Phone #: Fax #:				Address:															
Project #: <u>15858</u> Project Owner: <u>Goodnight</u>				City:															
Project Name: <u>Talpañero CRP HGB outlet</u>				State: Zip:															
Project Location: <u>Rural Lea Co, NM</u>				Phone #:															
Sampler Name: <u>Miguel Ramirez</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.		SAMPLING		<u>Chlorides</u> <u>BTEX</u> <u>TPH</u>						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:				DATE	TIME		
<u>#221811</u>																			
<u>11</u>		<u>FL 45 @ 3'</u>		<u>C</u>	<u>1</u>			<u>X</u>								<u>5/2/22</u>			
<u>12</u>		<u>FL 46 @ 3'</u>																	
<u>13</u>		<u>NW5</u>																	
<u>14</u>		<u>NW6</u>																	
<u>15</u>		<u>EWS</u>																	

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Relinquished By: <u>[Signature]</u>		Date: <u>5/2/22</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>1552</u>		Time: <u>1552</u>		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		REMARKS:	
Time:		Time:		<u>Rush please</u>		
Delivered By: (Circle One)		Observed Temp. °C <u>4.60</u>	Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>4.12</u>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<u>[Signature]</u>	
			Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/>		Bacteria (only) Sample Condition	
			Thermometer ID #113 Correction Factor -0.5°C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C	
					Corrected Temp. °C	

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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

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May 06, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 05/05/22 13:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW 7 (H221885-01)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.09	104	2.00	0.731	
Toluene*	<0.050	0.050	05/05/2022	ND	2.08	104	2.00	0.756	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.00	99.9	2.00	0.916	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.23	104	6.00	1.72	
Total BTX	<0.300	0.300	05/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 69.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.6 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 5 (H221885-02)**

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2022	ND	2.09	104	2.00	0.731		
Toluene*	<0.050	0.050	05/05/2022	ND	2.08	104	2.00	0.756		
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.00	99.9	2.00	0.916		
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.23	104	6.00	1.72		
Total BTEX	<0.300	0.300	05/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/06/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.7 % 59.5-142

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\*=Accredited Analyte

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 6 (H221885-03)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.09	104	2.00	0.731	
Toluene*	<0.050	0.050	05/05/2022	ND	2.08	104	2.00	0.756	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.00	99.9	2.00	0.916	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.23	104	6.00	1.72	
Total BTEX	<0.300	0.300	05/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.1 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 7 (H221885-04)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.09	104	2.00	0.731	
Toluene*	<0.050	0.050	05/05/2022	ND	2.08	104	2.00	0.756	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.00	99.9	2.00	0.916	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.23	104	6.00	1.72	
Total BTEX	<0.300	0.300	05/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/06/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 75.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.3 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 4 (H221885-05)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.09	104	2.00	0.731	
Toluene*	<0.050	0.050	05/05/2022	ND	2.08	104	2.00	0.756	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.00	99.9	2.00	0.916	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.23	104	6.00	1.72	
Total BTEX	<0.300	0.300	05/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 67.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 67.9 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 5 (H221885-06)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.09	104	2.00	0.731	
Toluene*	<0.050	0.050	05/05/2022	ND	2.08	104	2.00	0.756	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.00	99.9	2.00	0.916	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.23	104	6.00	1.72	
Total BTEx	<0.300	0.300	05/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.7 % 59.5-142

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\*=Accredited Analyte

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 6 (H221885-07)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.09	104	2.00	0.731	
Toluene*	<0.050	0.050	05/05/2022	ND	2.08	104	2.00	0.756	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.00	99.9	2.00	0.916	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.23	104	6.00	1.72	
Total BTEx	<0.300	0.300	05/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 68.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.3 % 59.5-142

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\*=Accredited Analyte

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WW 6 (H221885-08)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.15	108	2.00	6.92	
Toluene*	<0.050	0.050	05/05/2022	ND	2.15	108	2.00	6.97	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.06	103	2.00	6.95	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.37	106	6.00	6.94	
Total BTEX	<0.300	0.300	05/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 69.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 70.0 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 47 @ 3' (H221885-09)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.92		
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95		
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94		
Total BTEx	<0.300	0.300	05/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 68.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 69.3 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 48 @ 3' (H221885-10)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.92		
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95		
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94		
Total BTEx	<0.300	0.300	05/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	199	99.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	215	107	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 67.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 66.9 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 49 @ 3' (H221885-11)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.92		
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95		
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94		
Total BTEx	<0.300	0.300	05/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2022	ND	198	98.8	200	3.70	
DRO >C10-C28*	<10.0	10.0	05/05/2022	ND	193	96.3	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	05/05/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.4 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 50 @ 3' (H221885-12)**

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	05/06/2022	ND	2.15	108	2.00	6.92		
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95		
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94		
Total BTEx	<0.300	0.300	05/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2022	ND	198	98.8	200	3.70	
DRO >C10-C28*	<10.0	10.0	05/05/2022	ND	193	96.3	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	05/05/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.1 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 51 @ 3' (H221885-13)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.92		
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95		
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94		
Total BTEx	<0.300	0.300	05/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2022	ND	198	98.8	200	3.70	
DRO >C10-C28*	<10.0	10.0	05/05/2022	ND	193	96.3	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	05/05/2022	ND					

Surrogate: 1-Chlorooctane 95.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.3 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 52 @ 3' (H221885-14)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.92		
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95		
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94		
Total BTEx	<0.300	0.300	05/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2022	ND	198	98.8	200	3.70	
DRO >C10-C28*	<10.0	10.0	05/05/2022	ND	193	96.3	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	05/05/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.4 % 59.5-142

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 53 @ 3' (H221885-15)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.92		
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95		
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94		
Total BTEX	<0.300	0.300	05/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	198	98.8	200	3.70	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	193	96.3	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.4 % 59.5-142

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**Analytical Results For:**

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

Received: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 54 @ 3' (H221885-16)**

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	05/06/2022	ND	2.15	108	2.00	6.92	
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97	
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95	
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94	
Total BTEx	<0.300	0.300	05/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	198	98.8	200	3.70	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	193	96.3	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 95.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.3 % 59.5-142

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\*=Accredited Analyte

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 55 @ 3' (H221885-17)**

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	05/06/2022	ND	2.15	108	2.00	6.92	
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97	
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95	
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94	
Total BTEx	<0.300	0.300	05/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	198	98.8	200	3.70	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	193	96.3	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.9 % 59.5-142

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\*=Accredited Analyte

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 56 @ 3' (H221885-18)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.92	
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97	
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95	
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94	
Total BTX	<0.300	0.300	05/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/06/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	198	98.8	200	3.70	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	193	96.3	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.4 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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: 05/05/2022  
 Reported: 05/06/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/05/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 57 @ 3' (H221885-19)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.92		
Toluene*	<0.050	0.050	05/06/2022	ND	2.15	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.06	103	2.00	6.95		
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.37	106	6.00	6.94		
Total BTEx	<0.300	0.300	05/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/06/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	198	98.8	200	3.70	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	193	96.3	200	4.40	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.7 % 59.5-142

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\*=Accredited Analyte

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Mike Snyder For 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 "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager











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May 11, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 05/10/22 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 05/10/2022  
 Reported: 05/11/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/10/2022  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 7 @ 6' (H221980-01)**

BTX 8021B			mg/kg							
			Analyzed By: MS\							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTX	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/11/2022	ND	432	108	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/10/2022	ND	210	105	200	2.69		
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	200	100	200	4.29		
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND						

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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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: 05/10/2022  
 Reported: 05/11/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/10/2022  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 8 @ 6' (H221980-02)**

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/11/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2022	ND	210	105	200	2.69	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	200	100	200	4.29	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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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: 05/10/2022  
 Reported: 05/11/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/10/2022  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 35 @ 4' (H221980-03)**

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/11/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2022	ND	210	105	200	2.69	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	200	100	200	4.29	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.8 % 59.5-142

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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: 05/10/2022  
 Reported: 05/11/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/10/2022  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 36 @ 4' (H221980-04)**

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/11/2022	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	05/10/2022	ND	210	105	200	2.69	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	200	100	200	4.29	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.3 % 59.5-142

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: 05/10/2022  
 Reported: 05/11/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/10/2022  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 37 @ 4' (H221980-05)**

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/11/2022	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	05/10/2022	ND	210	105	200	2.69	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	200	100	200	4.29	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL**  
Laboratories



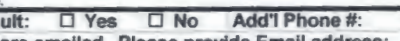

**101 East Marland, Hobbs, NM 88240**  
**(575) 393-2326 FAX (575) 393-2476**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

~~Page 8 of 8~~

Company Name: ETECH Environ mental				BILL TO				ANALYSIS REQUEST													
Project Manager: Joel Lowry				P.O. #:																	
Address: 2617 Marland				Company: Goodnight																	
City: Hobbs				Attn:																	
State: NM Zip: 88240				Address:																	
Phone #: Fax #:				City:																	
Project #: 15858				Project Owner: Goodnight																	
Project Name: Jalapeno CR8 HGB outlet				State: Zip:																	
Project Location: Rural Lea Co, NM				Phone #:																	
Sampler Name: Miguel Ramirez				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(GIRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING											
						GROUNDWATER		ACID/BASE:		DATE											
						WASTEWATER		ICE / COOL		TIME											
						SOIL		OTHER :													
						OIL															
						SLUDGE															
						OTHER :															
H221980																					
1 FL 7 @ 6'		C				X		X		5/10/22		Chlorides									
2 FL 8 @ 6'												BTEX									
3 FL 35 @ 4'												TPH									
4 FL 36 @ 4'																					
5 FL 37 @ 4'																					

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Relinquished By: 		Date: 5-10-22		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 1520				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: 	
		Time:				Rush Please	
Delivered By: (Circle One)		Observed Temp. °C 6.1		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 5.6		CHECKED BY: (Initials) 		Thermometer ID #113 Correction Factor -0.5°C	
						Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

~~PORM-006 R 3.2 10/07/21~~

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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

---

May 17, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO CRP HGB OUTLET

Enclosed are the results of analyses for samples received by the laboratory on 05/16/22 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NH 1 @ SURFACE (H222075-01)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.95	97.3	2.00	6.35		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.2	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.83	91.7	2.00	6.75		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.70	95.0	6.00	6.84		
Total BTEx	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	05/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 73.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.7 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NH 1 @ 1' (H222075-02)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.95	97.3	2.00	6.35		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.2	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.83	91.7	2.00	6.75		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.70	95.0	6.00	6.84		
Total BTEx	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.9 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH 1 @ SURFACE (H222075-03)**

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.95	97.3	2.00	6.35		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.2	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.83	91.7	2.00	6.75		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.70	95.0	6.00	6.84		
Total BTX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.6 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH 1 @ 1' (H222075-04)**

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.95	97.3	2.00	6.35		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.2	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.83	91.7	2.00	6.75		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.70	95.0	6.00	6.84		
Total BTX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	05/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.0 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SH 1 @ SURFACE (H222075-05)**

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.95	97.3	2.00	6.35		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.2	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.83	91.7	2.00	6.75		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.70	95.0	6.00	6.84		
Total BTX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 81.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.6 % 59.5-142

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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SH 1 @ 1' (H222075-06)**

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.97	98.6	2.00	7.84		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22		
Total BTX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.5 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 1 @ SURFACE (H222075-07)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.97	98.6	2.00	7.84		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22		
Total BTEx	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.7 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 1 @ 1' (H222075-08)**

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.97	98.6	2.00	7.84		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22		
Total BTX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.2 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 2 @ SURFACE (H222075-09)**

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.97	98.6	2.00	7.84		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22		
Total BTEx	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.2 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 2 @ 1' (H222075-10)**

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	1.97	98.6	2.00	7.84		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22		
Total BTX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.8 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 3 @ SURFACE (H222075-11)**

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	05/17/2022	ND	1.97	98.6	2.00	7.84		
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22		
Total BTX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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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: 05/16/2022  
 Reported: 05/17/2022  
 Project Name: JALAPENO CRP HGB OUTLET  
 Project Number: 15858  
 Project Location: GOODNIGHT MIDSTREAM - LEA CO NM

Sampling Date: 05/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 3 @ 1' (H222075-12)**

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	1.97	98.6	2.00	7.84	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22	
Total BTX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 70.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.9 % 59.5-142

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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

Page 1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																			
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																			
Address: 2617 W Marland				Company: Goodnight																																							
City: Hobbs State: NM Zip: 88240				Attn:																																							
Phone #: (575) 264-9884 Fax #:				Address:																																							
Project #: 15858 Project Owner: Goodnight				City:																																							
Project Name: Japena CPP H&B Co. Ltd				State: Zip:																																							
Project Location: Rural Lea Co, NM				Phone #:																																							
Sampler Name: Miguel Ramierez				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															
H222075																																											
1 NHI @ surface																																											
2 NHI @ 1'																																											
3 EHI @ surface																																											
4 EHI @ 1'																																											
5 SH1 @ surface																																											
6 SH1 @ 1'																																											
7 WH1 @ surface																																											
8 WH1 @ 1'																																											
9 WH2 @ surface																																											
10 WH2 @ 1'																																											

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<b>Relinquished By:</b> 	<b>Date:</b> 5-16-22 <b>Time:</b> 1600	<b>Received By:</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>Relinquished By:</b> 		<b>Received By:</b> 	
<b>Delivered By: (Circle One)</b> 6.3" C-O.5c <b>Sampler - UPS - Bus - Other:</b> 5.8c #113		<b>Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
		<b>CHECKED BY:</b> (Initials) YO	

**REMARKS:**

Rush Please

Please email results and copy of CoC to pm@etechenv.com.



## ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

[illegible]

FORM-006  
Revision 1.0

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

**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**  
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**District IV**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 116981

CONDITIONS

Operator:  GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:  372311
	Action Number:  116981
	Action Type:  [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Deferral Request Approved.	6/16/2022