State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2125046010 |
| 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? | 105 (ft bgs) |
| Did this release impact groundwater or surface water? | ☐ Yes ☑ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☑ 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)? | ☐ Yes ☑ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☑ 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? | ☐ Yes ☑ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☑ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☑ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☑ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☑ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☑ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☑ No |
| Did the release impact areas **not** on an exploration, development, production, or storage site? | ☑ Yes ☐ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2125046010 |
| District RP | |
| Facility ID | |
| Application ID | |

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: Carolyn Blackaller
Title: Sr. Environmental Specialist

Signature: Carolyn Blackaller
Date: 12/2/2021

email: Carolyn.Blackaller@energytransfer.com
Telephone: (432)203-8290

**OCD Only**

Received by: _____
Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2125046010 |
| District RP | |
| Facility ID | |
| Application ID | |

# Closure

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

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

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

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

Printed Name: Carolyn Blackaller Title: Sr. Environmental Specialist

Signature: Carolyn Blackaller Date: 12/2/2021

email: Carolyn.Blackaller@energytransfer.com Telephone: (432)203-8290

**OCD Only**

Received by: Chad Hensley Date: 12/28/2021

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

Closure Approved by: Chad Hensley Date: 12/28/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

# Remediation Summary & Soil Closure Request

**ETC Texas Pipeline, Ltd.**
**MA-4 Pipeline**
Lea County, New Mexico
Unit Letter "O", Section 5, Township 24 South, Range 37 East
Latitude 32.24171 North, Longitude 103.18492 West
**NMOCD Reference No. nAPP2125046010**

Prepared By:

**Etech Environmental & Safety Solutions, Inc.**
2507 79th Street, Unit A
Lubbock, Texas 79423

Ben J. Arguijo

Joel W. Lowry

Environmental & Safety Solutions, Inc.

*Midland • San Antonio • Lubbock • Hobbs • Lafayette*

# TABLE OF CONTENTS

*Section*

PROJECT INFORMATION…. **1.0**
SITE CHARACTERIZATION…. **2.0**
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE…. **3.0**
REGULATORY APPROVALS & STIPULATIONS…. **4.0**
REMEDIATION ACTIVITIES SUMMARY…. **5.0**
RESTORATION, RECLAMATION & RE-VEGETATION PLAN…. **6.0**
SOIL CLOSURE REQUEST…. **7.0**
LIMITATIONS…. **8.0**
DISTRIBUTION…. **9.0**

**FIGURES**

Figure 1 - Topographic Map
Figure 2 - Aerial Proximity Map
Figure 3 - Site & Sample Location Map

**TABLES**

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

**APPENDICES**

Appendix A - Depth to Groundwater Information
Appendix B - Field Data
Appendix C - Laboratory Analytical Reports
Appendix D - Photographic Log

# 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of ETC Texas Pipeline, Ltd., has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the MA-4 Pipeline (henceforth, "Site"). Details of the release are summarized below:

## Location of Release Source

Latitude: 32.24171 Longitude: -103.18492

Provided GPS are in WGS84 format.

| | | | |
|---|---|---|---|
| Site Name: | MA-4 Pipeline | Site Type: | Pipeline |
| Date Release Discovered: | 8/24/2021 | API # (if applicable): | N/A |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| "O" | 5 | 24S | 37E | Lea |

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name Doom, Jimmy Joe )

## Nature and Volume of Release

| | | |
|---|---|---|
| [ ] Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| [ ] Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L? | [ ] Yes [ ] No [X] N/A |
| [ ] Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| [ ] Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| [X] Other (describe) Pipeline Liquids | Volume/Weight Released (bbls) 42.3 | Volume/Weight Recovered (bbls) 0 |

Cause of Release:
The release was attributed to corrosion of the pipeline segment. During initial response activities, the pipeline segment was replaced, and a vacuum truck was utilized to recover free-standing liquid. A 1-Call was placed to facilitate immediate excavation of wet/visibly stained soil to mitigate the extent of the release.

## Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] 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 Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

| | | |
|---|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | 105' | |
| Did the release impact groundwater or surface water? | ☐ Yes | ☒ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes | ☒ 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? | ☐ Yes | ☒ No |
| Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church? | ☐ Yes | ☒ 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? | ☐ Yes | ☒ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes | ☒ No |
| Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes | ☒ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes | ☒ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes | ☒ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes | ☒ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes | ☒ No |
| Did the release impact areas not on an exploration, development, production or storage site? | ☒ Yes | ☐ 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, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as follows:

| Probable Depth to Groundwater | Constituent | Laboratory Analytical Method | Closure Criteria*† | Reclamation Standard*‡ |
|---|---|---|---|---|
| 105' | Chloride (Cl-) | EPA 300.0 or SM4500 Cl B | 20,000 | 600 |
| | Total Petroleum Hydrocarbons (TPH) | EPA SW-846 Method 8015M Ext | 2,500 | 100 |
| | Gas Range Organics + Diesel Range Organics (GRO + DRO) | EPA SW-846 Method 8015M | 1,000 | 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 REGULATORY APPROVALS & STIPULATIONS

On September 3, 2021, based on the immediate response to the release and the size of the affected area, an *Alternative Sampling Plan* was submitted to the NMOCD proposing an alternative sampling plan to include the collection of composite soil samples every 400 square feet from the base of the excavated area and at 50-foot horizontal intervals from the excavation sidewalls. The Alternative Sampling Plan was subsequently approved by the NMOCD.

## 5.0 REMEDIATION ACTIVITIES SUMMARY

On September 3, 2021, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil 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. Olfactory/visual senses and/or a Hach Quantab ® chloride test kit were utilized to field-screen the vertical and horizontal extent of impacted soil and to guide the excavation. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Etech collected 48 confirmation soil samples (F1 @ 0.5' through F24 @ 0.5', F26 @ 0.5', F28 @ 0.5' through F35 @ 0.5', NW 1 @ 0-0.5', EW1 @ 0-0.5' through EW6 @ 0-0.5', SW1 @ 0-0.5', and WW1 @ 0-0.5' through WW7 @ 0-0.5') from the floor and sidewalls of the excavated area. The soil samples were submitted to a certified commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. TPH concentrations exceeded the NMOCD Closure Criteria and/or NMOCD Reclamation Standard in soil samples F22 @ 0.5', F23 @ 0.5', F24 @ 0.5', F28 @ 0.5', F34 @ 0.5', SW1 @ 0-0.5', and WW2 @ 0-0.5', with results ranging from 310 mg/kg in soil sample F34 @ 0.5' to 8,472 mg/kg in soil sample F23 @ 0.5'.

On September 14, 2021, Etech collected two (2) confirmation soil samples (F25 @ 0.5' and F27 @ 0.5') 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 chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. TPH concentrations exceeded the NMOCD Closure Criteria and/or NMOCD Reclamation Standard in soil samples F25 @ 0.5' (4,304 mg/kg) and F27 @ 0.5' (1,447 mg/kg).

Etech also advanced four (4) hand-augered soil bores (V1 through V4) within the release margins in an effort to further investigate the vertical extent of impacted soil. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for the presence of volatile organic compounds utilizing visual/olfactory senses and concentrations of chloride utilizing a chloride test kit.

Based on field observations and field test data, Etech submitted four (4) delineation soil samples (V1 @ 2', V2 @ 1', V3 @ 1', and V4 @ 1') to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond one (1) foot below ground surface (bgs) in the areas characterized by sample points V2, V3, and V4. Soil was not impacted beyond two (2) feet bgs in the area characterized by sample point V1.

On October 20, 2021, Etech resumed remediation activities at the Site. Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples F4 @ 0.5' through F17 @ 0.5', F19 @ 0.5' through F27 @ 0.5', F28 @ 0.5', F34 @ 0.5', SW1 @ 0-0.5', and WW2 @ 0-0.5'.

On October 25, 2021, Etech collected six (6) confirmation soil samples (FL4 B @ 3.5' through FL8 B @ 3.5' and WW2B) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated TPH concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard in each of the submitted soil samples.

On October 28, 2021, Etech collected 22 confirmation soil samples (FL9 B @ 4', FL10 B @ 4', FL11 @ 7' through FL25 @ 4', FL27 @ 4', FL28 @ 2', FL34 @ 6', SW1B, and WW7B) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated GRO+DRO concentrations exceeded the NMOCD Closure Criteria in each of the submitted soil samples, with results ranging from 1,304 mg/kg in soil sample FL12 @ 6' to 2,120 mg/kg in soil sample FL13 @ 6'. The TPH concentration in soil sample FL13 @ 6' (2,512 mg/kg) also exceeded the NMOCD Closure Criteria.

On November 4, 2021, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FL11 @ 7', FL12 @ 6', and FL13 @ 6'. Etech collected three (3) confirmation soil samples (11C, 12C, and 13C) from the floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

The final dimensions of the excavated area were approximately 302 feet in length, 12 to 113 feet in width, and six (6) inches to 19 feet in depth. During the course of remediation activities, approximately 1,290 cubic yards of impacted soil was transported to an NMOCD-permitted surface waste facility for disposal. Approximately 1,465 cubic yards of locally sourced, non-impacted material was imported to the Site for use as backfill.

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 is provided in Appendix B. Laboratory analytical reports are provided in Appendix C. General photographs of the Site are provided in Appendix D.

## 6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

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. The affected area was contoured and/or compacted to achieve erosion control, stability, and restoration of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency- and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the Site.

## 7.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with a NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated 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 and/or NMOCD Reclamation Standard.

Based on laboratory analytical results and field activities conducted to date, Etech recommends ETC Texas Pipeline, Ltd., provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Site.

# 8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents 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 ETC Texas Pipeline, Ltd. Use of the information contained in this report is prohibited without the consent of Etech and/or ETC Texas Pipeline, Ltd.

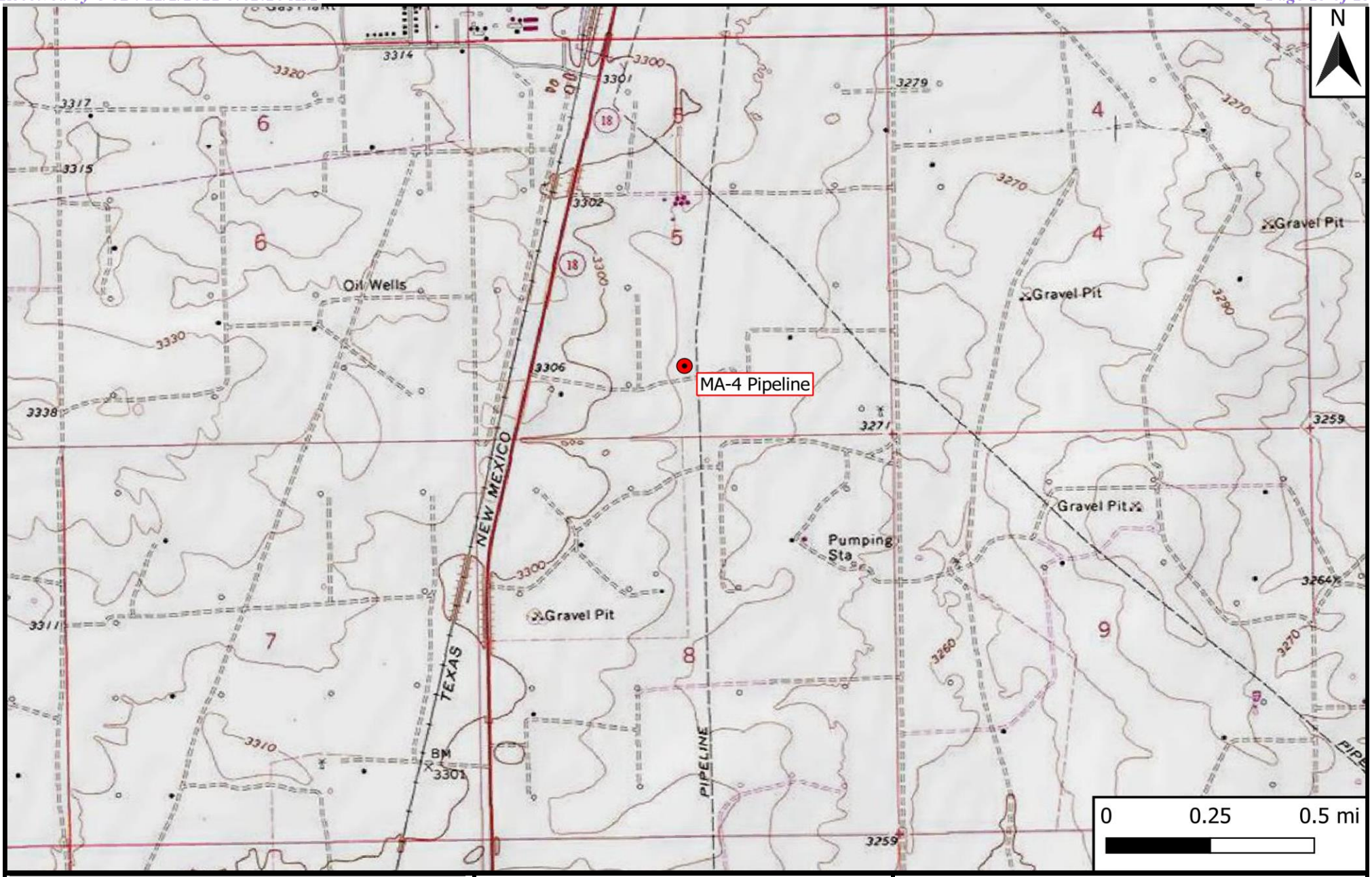
# 9.0 DISTRIBUTION

***ETC Texas Pipeline, Ltd.***
*600 N. Marienfeld. St.*
*Suite 700*
*Midland, TX 79701*

***New Mexico Energy, Minerals and Natural Resources Department***
*Oil Conservation Division, District 1*
*1220 South St. Francis Drive*
*Santa Fe, NM 87505*

*(Electronic Submission)*

# Figure 1
# Topographic Map




Legend

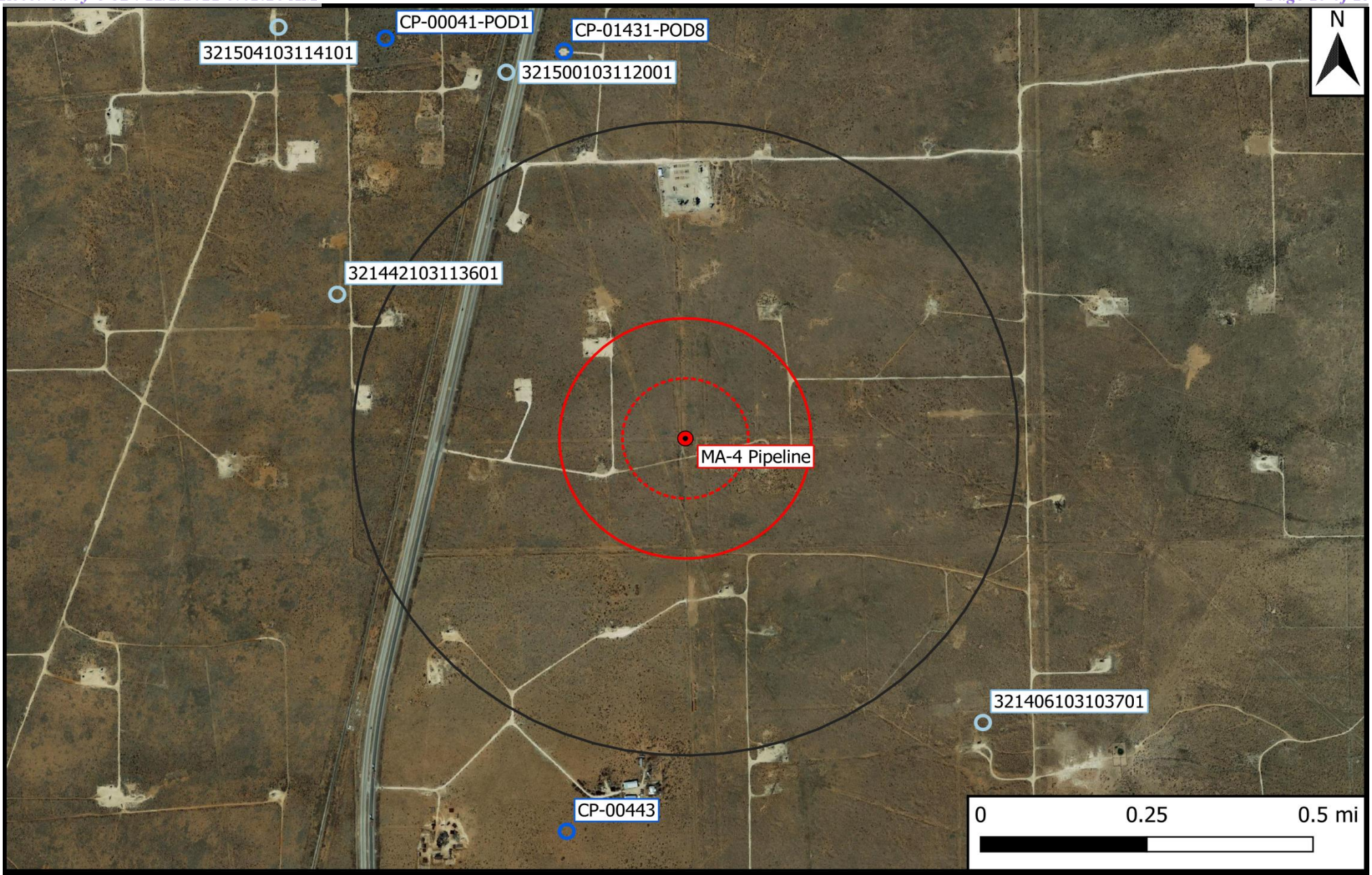
Site Location

**Figure 1**
Topographic Map
ETC Texas Pipeline, Ltd.
MA-4 Pipeline
GPS: 32.24171, -103.18492
Lea County

ETECH
Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 10/26/21

# Figure 2
# Aerial Proximity Map




Legend

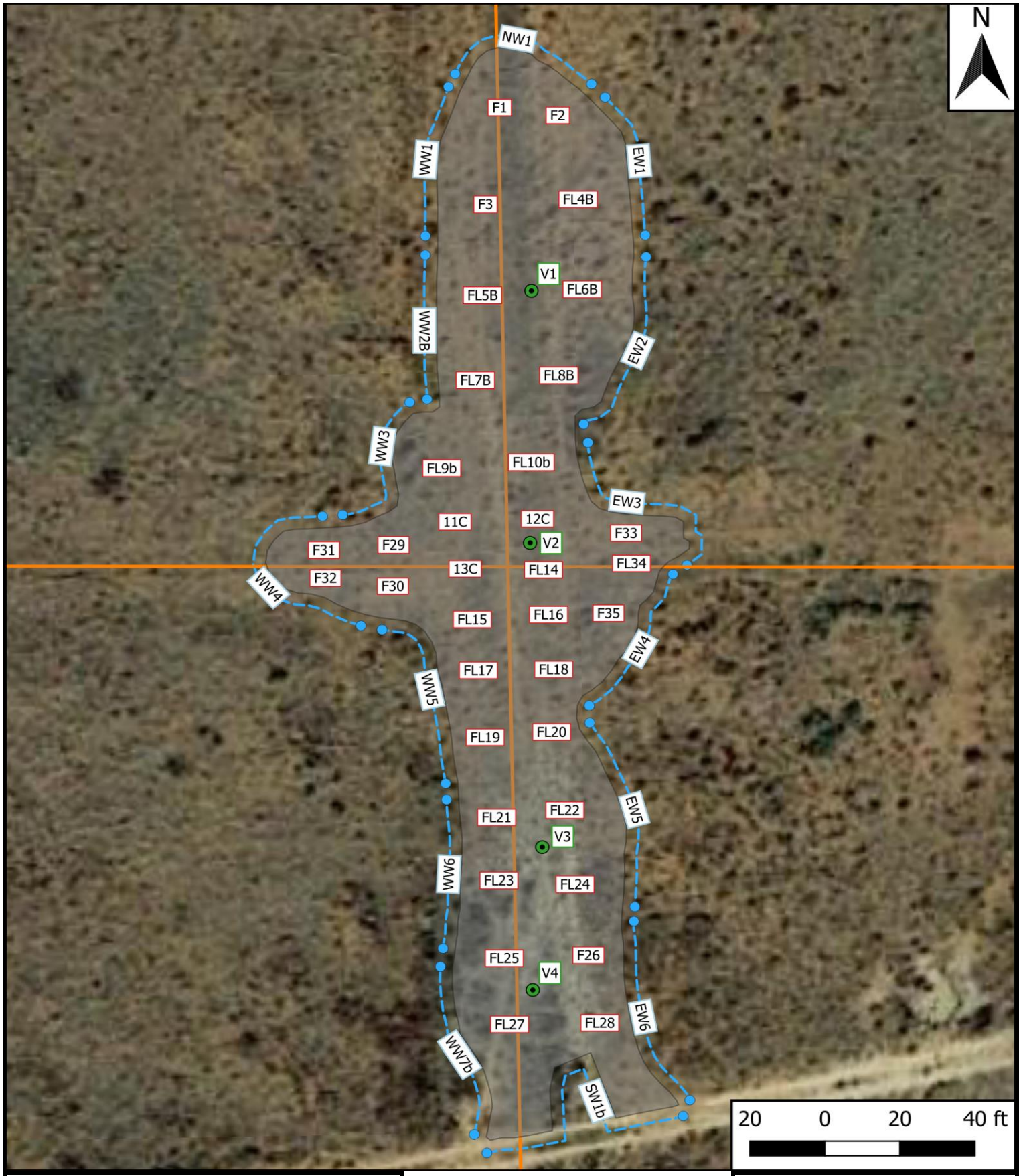
- Site Location
- Well - NMOSE
- Well - USGS
- Well - Investigative/Monitor
- Potash Mine Workings
- 1% Annual Flood Chance
- Emergent/Forested Wetlands
- Freshwater Pond/Lake
- Medium/High Karst
- Riverine
- 500 Foot Radius
- 1,000-Ft Radius
- 0.5-Mi Radius

**Figure 2**
Aerial Proximity Map
ETC Texas Pipeline, Ltd.
MA-4 Pipeline
GPS: 32.24171, -103.18492
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 10/26/21

# Figure 3
# Site & Sample Location Map




Legend
- Excavation Extent
- Pipeline
- Auger Hole
- Composite Floor Sample
- Composite Wall Sample

Figure 3
Site & Sample Location Map
ETC Texas Pipeline, Ltd.
MA-4 Pipeline
GPS: 32.24171, -103.18492
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja
Checked: jwl Date: 11/22/21

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

**Table 1**
**Concentrations of BTEX, TPH & Chloride in Soil**
**ETC Texas Pipeline, Ltd.**
**MA-4**
**NMOCD Ref. #: nAPP2125046010**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMOCD Closure Criteria** | | | | **10** | **50** | **-** | **-** | **1,000** | **-** | **2,500** | **20,000** |
| **NMOCD Reclamation Standard** | | | | **10** | **50** | **-** | **-** | **-** | **-** | **100** | **600** |
| | | | | **SW 846 8021B** | | **SW 846 8015M Ext.** | | | | | **4500 Cl** |
| **Sample ID** | **Date** | **Depth (Feet)** | **Soil Status** | **Benzene (mg/kg)** | **BTEX (mg/kg)** | **GRO $C_6$-$C_{10}$ (mg/kg)** | **DRO $C_{10}$-$C_{28}$ (mg/kg)** | **GRO + DRO $C_6$-$C_{28}$ (mg/kg)** | **ORO $C_{28}$-$C_{36}$ (mg/kg)** | **TPH $C_6$-$C_{36}$ (mg/kg)** | **Chloride (mg/kg)** |
| F1 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| F2 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| F3 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | 86.8 | 86.8 | <10.0 | 86.8 | <16.0 |
| F4 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | 0.365 | 100 | 4,290 | **4,390** | 758 | **5,150** | <16.0 |
| FL4 B @ 3.5' | 10/25/2021 | 3.5 | In-Situ | - | - | <10.0 | 13.6 | 13.6 | <10.0 | 13.6 | - |
| F5 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 187 | 187 | 61.5 | 249 | 16.0 |
| FL5 B @ 2' | 10/25/2021 | 2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F6 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 388 | 388 | 96.2 | 484 | 32.0 |
| FL6 B @ 3.5' | 10/25/2021 | 3.5 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F7 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 394 | 394 | 109 | 503 | 16.0 |
| FL7 B @ 2' | 10/25/2021 | 2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F8 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | 13.0 | 983 | 996 | 220 | 1,220 | 32.0 |
| FL8 B @ 3.5' | 10/25/2021 | 3.5 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F9 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 703 | 703 | 187 | 890 | 16.0 |
| FL9 B @ 4' | 10/28/2021 | 4 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F10 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | 0.652 | 142 | 8,550 | **8,690** | 1,770 | **10,500** | 32.0 |
| FL10 B @ 4' | 10/28/2021 | 4 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F11 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 558 | 558 | 173 | 731 | 48.0 |
| FL11 @ 7' | 10/28/2021 | 7 | Excavated | - | - | 355 | 791 | **1,150** | 245 | 1,390 | - |
| 11C | 11/4/2021 | 13 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F12 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | 42.5 | 4,010 | **4,050** | 955 | **5,010** | 112 |
| FL12 @ 6' | 10/28/2021 | 6 | Excavated | - | - | 286 | 748 | **1,030** | 260 | 1,290 | - |
| 12C | 11/4/2021 | 19 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F13 @ 0.5' | 9/3/2021 | 13 | Excavated | <0.050 | <0.300 | <10.0 | 223 | 223 | 113 | 336 | 16.0 |
| FL13 @ 6' | 10/28/2021 | 6 | Excavated | - | - | 1,020 | 1,100 | **2,120** | 392 | **2,510** | - |
| 13C | 11/4/2021 | 15 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F14 @ 0.5' | 9/3/2021 | 19 | Excavated | <0.050 | <0.300 | <10.0 | 97.4 | 97.4 | 27.0 | 124 | 16.0 |
| FL14 @ 6' | 10/28/2021 | 6 | In-Situ | - | - | <10.0 | 75.9 | 75.9 | 56.5 | 132 | - |
| F15 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | 0.461 | 31.4 | 1,250 | **1,280** | 271 | 1,550 | <16.0 |
| FL15 @ 4' | 10/28/2021 | 15 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F16 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 215 | 215 | 56.8 | 272 | 16.0 |
| FL16 @ 5' | 10/28/2021 | 5 | In-Situ | - | - | <10.0 | 81.0 | 81.0 | 33.8 | 115 | - |
| F17 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 151 | 151 | 35.3 | 186 | <16.0 |
| FL17 @ 4' | 10/28/2021 | 4 | In-Situ | - | - | 19.0 | 372 | 391 | 80.3 | 471 | - |
| F18 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 170 | 170 | 32.6 | 203 | <16.0 |
| FL18 @ 4' | 10/28/2021 | 4 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F19 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 281 | 281 | 60.9 | 342 | <16.0 |
| FL19 @ 2' | 10/28/2021 | 2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F20 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 765 | 765 | 183 | 948 | <16.0 |
| FL20 @ 2' | 10/28/2021 | 2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F21 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 412 | 412 | 102 | 514 | <16.0 |

Dash (-): Sample not analyzed for that constituent.
**Bold:** NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.

**Table 1**
**Concentrations of BTEX, TPH & Chloride in Soil**
**ETC Texas Pipeline, Ltd.**
**MA-4**
**NMOCD Ref. #: nAPP2125046010**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMOCD Closure Criteria** | | | | **10** | **50** | **-** | **-** | **1,000** | **-** | **2,500** | **20,000** |
| **NMOCD Reclamation Standard** | | | | **10** | **50** | **-** | **-** | **-** | **-** | **100** | **600** |
| | | | | **SW 846 8021B** | | **SW 846 8015M Ext.** | | | | | **4500 Cl** |
| **Sample ID** | **Date** | **Depth (Feet)** | **Soil Status** | **Benzene (mg/kg)** | **BTEX (mg/kg)** | **GRO $C_6$-$C_{10}$ (mg/kg)** | **DRO $C_{10}$-$C_{28}$ (mg/kg)** | **GRO + DRO $C_6$-$C_{28}$ (mg/kg)** | **ORO $C_{28}$-$C_{36}$ (mg/kg)** | **TPH $C_6$-$C_{36}$ (mg/kg)** | **Chloride (mg/kg)** |
| FL21 @ 7' | 10/28/2021 | 7 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F22 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 297 | 297 | 60.5 | 358 | <16.0 |
| FL22 @ 2' | 10/28/2021 | 2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F23 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | 1.39 | 192 | 6,950 | **7,140** | 1,330 | **8,470** | <16.0 |
| FL23 @ 2' | 10/28/2021 | 2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F24 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | 21.2 | 1,610 | **1,630** | 334 | 1,970 | <16.0 |
| FL24 @ 2' | 10/28/2021 | 2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F25 @ 0.5' | 9/14/2021 | 0.5 | Excavated | <0.050 | 0.887 | 115 | 3,570 | **3,690** | 619 | **4,300** | 32.0 |
| FL25 @ 4' | 10/28/2021 | 4 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F26 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | 38.6 | 38.6 | <10.0 | 38.6 | <16.0 |
| F27 @ 0.5' | 9/14/2021 | 0.5 | Excavated | <0.050 | <0.300 | 10.9 | 1,160 | **1,170** | 276 | 1,450 | 16.0 |
| FL27 @ 4' | 10/28/2021 | 4 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F28 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | 10.4 | 1,170 | **1,180** | 247 | 1,430 | <16.0 |
| FL28 @ 2' | 10/28/2021 | 2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F29 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | 20.5 | 20.5 | 15.4 | 35.9 | <16.0 |
| F30 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| F31 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| F32 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| F33 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | 61.9 | 61.9 | 12.9 | 74.8 | <16.0 |
| F34 @ 0.5' | 9/3/2021 | 0.5 | Excavated | <0.050 | <0.300 | <10.0 | 257 | 257 | 52.8 | 310 | <16.0 |
| FL34 @ 6' | 10/28/2021 | 6 | In-Situ | - | - | <10.0 | 60.5 | 60.5 | 27.6 | 88.1 | - |
| F35 @ 0.5' | 9/3/2021 | 0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 1 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | 16.9 | 16.9 | 23.3 | 40.2 | <16.0 |
| EW1 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| EW2 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| EW3 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| EW4 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| EW5 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| EW6 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW1 @ 0-0.5' | 9/3/2021 | 0-0.5 | Excavated | <0.050 | 0.701 | 54.6 | 2,610 | **2,660** | 534 | **3,200** | <16.0 |
| SW1B | 10/28/2021 | 0-2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| WW1 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| WW2 @ 0-0.5' | 9/3/2021 | 0-0.5 | Excavated | <0.050 | <0.300 | <10.0 | 471 | 471 | 136 | 607 | <16.0 |
| WW2B | 10/25/2021 | 0-2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| WW3 @ 0-0.5' | 9/3/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | 71.6 | 71.6 | 19.5 | 91.1 | <16.0 |
| WW4 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| WW5 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| WW6 @ 0-0.5' | 9/3/2021 | 0-0.5 | In-Situ | <0.050 | <0.300 | <10.0 | 46.4 | 46.4 | 10.2 | 56.6 | <16.0 |
| WW7 @ 0-0.5' | 9/3/2021 | 0-0.5 | Excavated | <0.050 | <0.300 | 32.8 | 1,050 | **1,080** | 166 | 1,250 | <16.0 |
| WW7B | 10/28/2021 | 0-2 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |

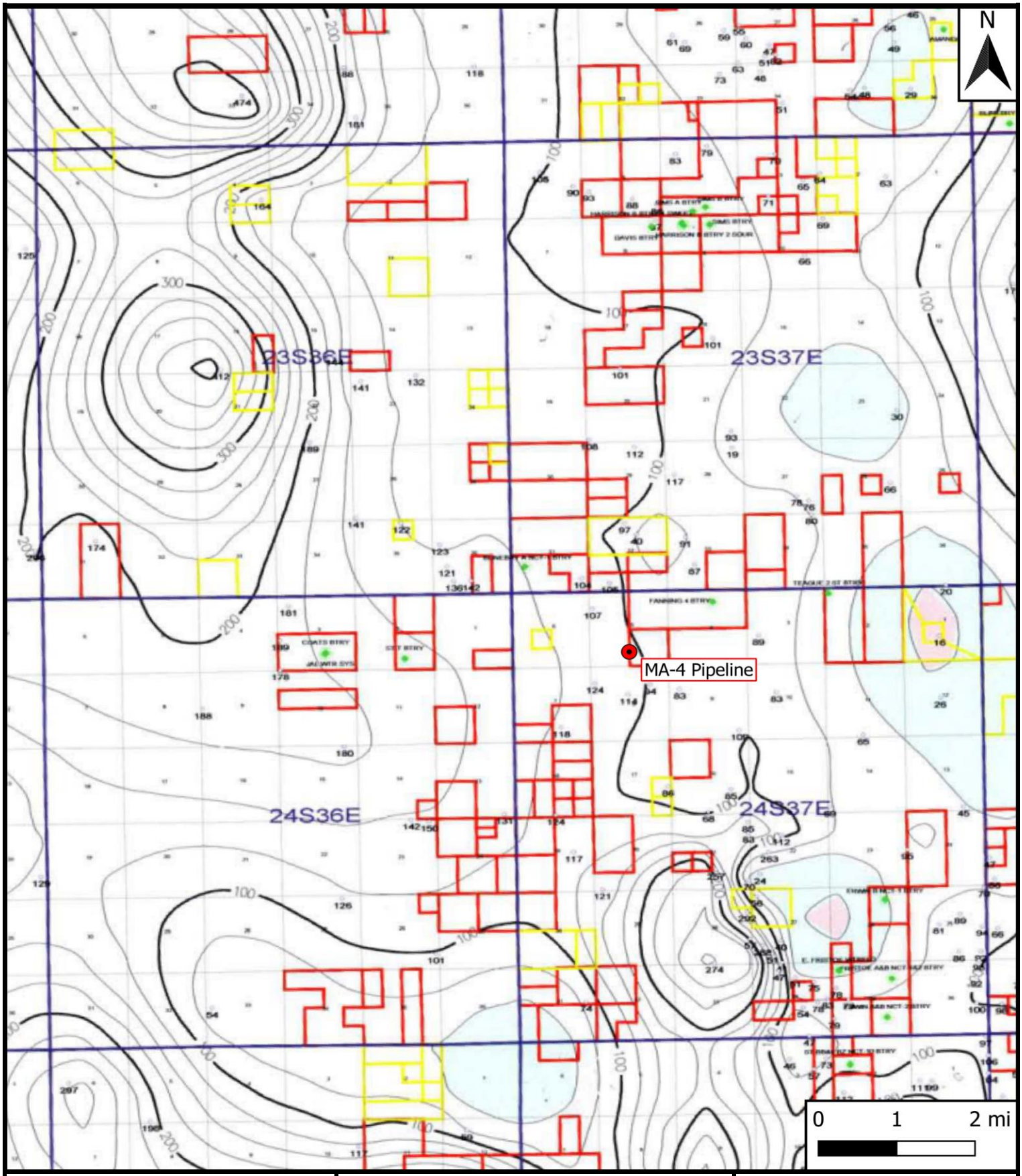
Dash (-): Sample not analyzed for that constituent.
**Bold:** NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.

**Table 1**
**Concentrations of BTEX, TPH & Chloride in Soil**
**ETC Texas Pipeline, Ltd.**
**MA-4**
**NMOCD Ref. #: nAPP2125046010**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **NMOCD Closure Criteria** | | | | **10** | **50** | **-** | **-** | **1,000** | **-** | **2,500** | **20,000** |
| **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 $C_6$-$C_{10}$ (mg/kg)** | **DRO $C_{10}$-$C_{28}$ (mg/kg)** | **GRO + DRO $C_6$-$C_{28}$ (mg/kg)** | **ORO $C_{28}$-$C_{36}$ (mg/kg)** | **TPH $C_6$-$C_{36}$ (mg/kg)** | **Chloride (mg/kg)** |
| **Delineation Samples** | | | | | | | | | | | |
| V1 @ 2' | 9/14/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | 17.9 | 17.9 | <10.0 | 17.9 | 32.0 |
| V2 @ 1' | 9/14/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| V3 @ 1' | 9/14/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| V4 @ 1' | 9/14/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |

Dash (-): Sample not analyzed for that constituent.
**Bold:** NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.

# Appendix A
# Depth to Groundwater Information




Legend

Site Location

**Figure 4**

Inferred Depth to Groundwater Trend Map
ETC Texas Pipeline, Ltd.
MA-4 Pipeline
GPS: 32.24171, -103.18492
Lea County

eTECH Environmental & Safety Solutions, Inc.

Revised: bja

Checked: jwl Date: 10/26/21

*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 | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CP 00348 POD1 | | CP | LE | 2 | 4 | 4 | 05 | 24S | 37E | 671708 | 3568698* | 703 | | | |

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

**Record Count:** 1

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 671005.14 **Northing (Y):** 3568673.27 **Radius:** 804.67

***UTM location was derived from PLSS - see Help**

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

10/26/21 8:33 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

*New Mexico Office of the State Engineer*

# Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
|---|---|---|---|---|---|---|---|---|---|
| | CP 00348 POD1 | 2 | 4 | 4 | 05 | 24S | 37E | 671708 | 3568698* |

**Driller License:** **Driller Company:**

**Driller Name:** EGGLESTON

**Drill Start Date:** **Drill Finish Date:** 12/31/1936 **Plug Date:**

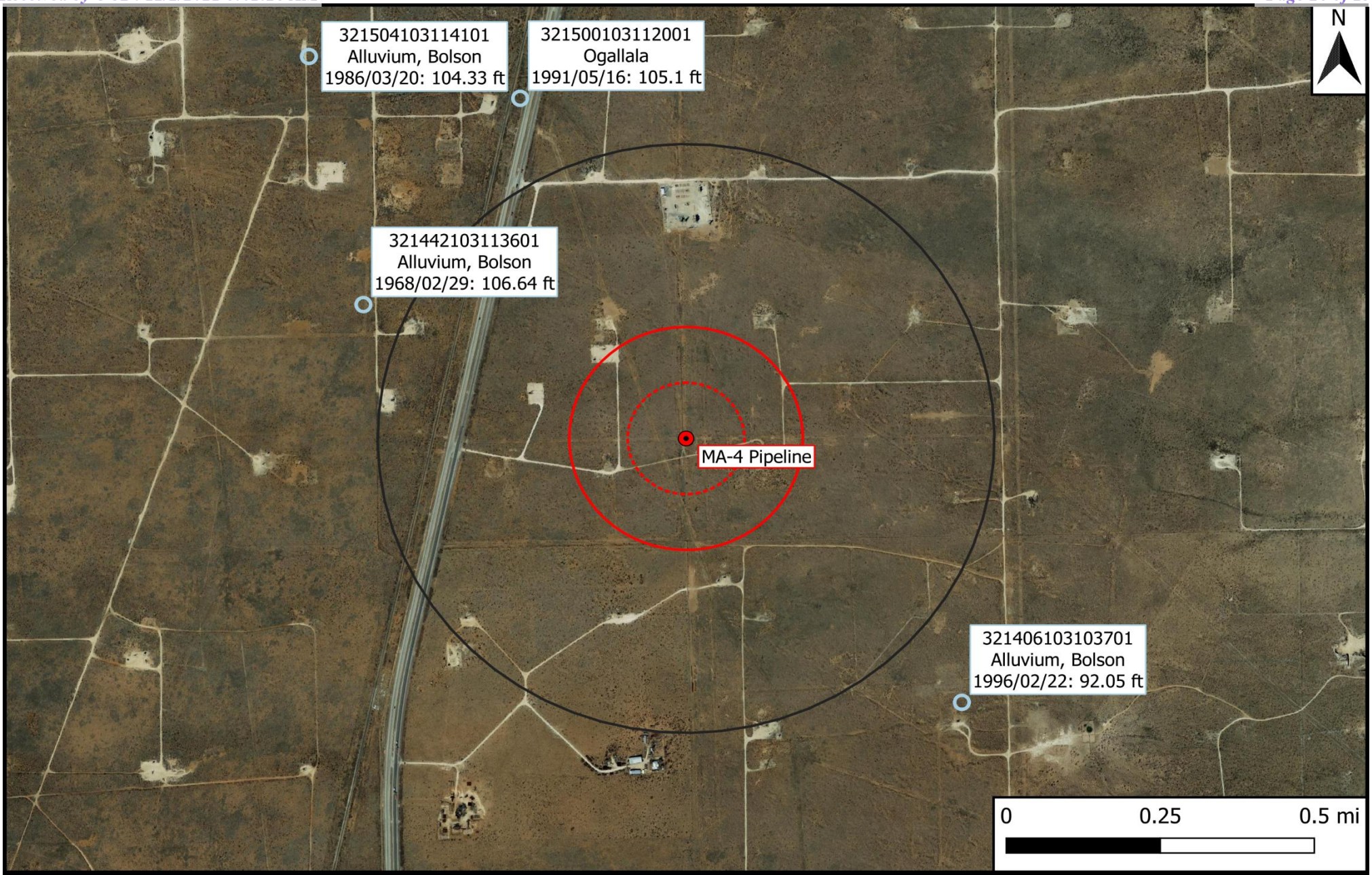
**Log File Date:** **PCW Rcv Date:** **Source:**

**Pump Type:** **Pipe Discharge Size:** **Estimated Yield:** 5 GPM

**Casing Size:** 10.00 **Depth Well:** **Depth Water:**

***UTM location was derived from PLSS - see Help**

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




Legend
- Site Location
- Well - USGS
- 500-Foot Radius
- 1,000-Foot Radius
- 0.5-Mile Radius

**Figure 5**
USGS Well Proximity Map
ETC Texas Pipeline, Ltd.
MA-4 Pipeline
GPS: 32.24171, -103.18492
Lea County

ETECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 10/26/21

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

**Agency code =** usgs
**site_no list =**
- 321406103103701

**Minimum number of levels =** 1
Save file of selected sites to local disk for future upload

---

## USGS 321406103103701 24S.37E.05.444243

Lea County, New Mexico
Latitude 32°14'06", Longitude 103°10'37" NAD27
Land-surface elevation 3,272 feet above NAVD88
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1968-02-28 | | D | 72019 | 94.18 | | | 1 | Z | | | A |
| 1970-12-03 | | D | 72019 | 93.81 | | | 1 | Z | | | A |
| 1976-01-16 | | D | 72019 | 93.35 | | | 1 | Z | | | A |
| 1981-03-17 | | D | 72019 | 92.78 | | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986-03-05 | | D | 72019 | 92.51 | | | 1 | Z | | | A |
| 1991-05-21 | | D | 72019 | 92.18 | | | 1 | Z | | | A |
| 1996-02-22 | | D | 72019 | 92.05 | | | 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 |
| 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. |

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
**Title: Groundwater for USA: Water Levels**
**URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?**

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-11-22 10:28:24 EST
0.28 0.25 nadww01

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

**Agency code =** usgs
**site_no list =**
- 321442103113601

**Minimum number of levels =** 1
Save file of selected sites to local disk for future upload

---

## USGS 321442103113601 24S.37E.05.113341

Lea County, New Mexico
Latitude 32°14'42", Longitude 103°11'36" NAD27
Land-surface elevation 3,317 feet above NAVD88
The depth of the well is 182 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| 1968-02-29 | | D | 72019 | 106.64 | | | 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. |

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
**Title: Groundwater for USA: Water Levels**
**URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?**

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-11-22 10:29:28 EST
0.33 0.24 nadww01

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

**Agency code =** usgs
**site_no list =**
- 321500103112001

**Minimum number of levels =** 1
Save file of selected sites to local disk for future upload

---

## USGS 321500103112001 23S.37E.32.343110

Lea County, New Mexico
Latitude 32°15'00", Longitude 103°11'20" NAD27
Land-surface elevation 3,306 feet above NAVD88
The depth of the well is 175 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1976-01-20 | | D | 72019 | 90.87 | | | 1 | Z | | | A |
| 1991-05-16 | | D | 72019 | 105.10 | | | 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. |

---

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
**Title: Groundwater for USA: Water Levels**
**URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?**

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-11-22 10:30:19 EST
0.33 0.24 nadww01

# Appendix B
# Field Data

Page 34 of 136

eTECH Environmental & Safety Solutions, Inc.

# Sample Log

Date: _____

Project: MA-4

Project Number: 14746 Latitude: 32.24171 Longitude: -103.18492

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|---|---|---|---|
| SW1 | Yes | 1.4 <128 | |
| NW1 | No | 0.8 | |
| EW1 | ? | 1.2 | |
| " 2 | — | 1.0 | |
| " 3 | ? | 0.8 | |
| " 4 | — | 1.0 | |
| " 5 | — | 1.2 | |
| " 6 | — | 1.0 | |
| WW1 | Slight | 1.2 <128 | |
| " 2 | Slight | 0.6 | |
| " 3 | ? | 1.4 | |
| " 4 | — | 1.2 | |
| " 5 | — | 0.8 | |
| " 6 | — | 0.6 | |
| " 7 | ? | 1.4 | |
| F1 | ? | <128 | |
| F2 | ? | | |
| F3 | Slight | | |
| 4 | Yes | | |
| 5 | — | | |
| 6 | — | | |
| 7 | — | | |
| 8 | ? | | |
| F9 | ? | 1.8 152 | |
| 10 | ? | <128 | |
| 11 | ? | 1.8 152 | |
| 12 | Yes | 1.6 128 | |
| 13 | ? | <128 | |
| 14 | ? | 1.6 128 | |
| 15 | Yes | 1.6 128 | |
| 16 | ? | <128 | |
| F17 | | <128 | |
| 18 | | 128 | |
| 19 | | <128 | |
| 20 | | <128 | |
| 21 | | <128 | |

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

Received by OCD: 12/2/2021 8:41:28 AM

Released to Imaging: 12/28/2021 9:45:40 AM

eTECH Environmental & Safety Solutions, Inc.

# Sample Log

Date: _____

Project: MA-4

Project Number: 14746 Latitude: 32.24171 Longitude: -103.18492

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|---|---|---|---|
| F22 | | <128 → New Bottle | |
| F23 | | <128 | |
| F24 | | <128 | |
| F25 | | Covered In Water | |
| 26 | | <128 | |
| 27 | | Covered In Water | |
| 28 | | <128 | |
| 29 | | <128 | |
| 30 | | ↓ | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | 1.6 148 | |
| 35 | | 1.6 148 | |

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

Received by OCD: 12/2/2021 8:41:28 AM

Released to Imaging: 12/28/2021 9:45:40 AM

# Appendix C
# Laboratory Analytical Reports

CARDINAL Laboratories

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

September 13, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC MA-4

Enclosed are the results of analyses for samples received by the laboratory on 09/07/21 14:45.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: SW 1 @ 0-0.5' (H212437-01)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.83 | 91.7 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.03 | 101 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.00 | 100 | 2.00 | 2.75 | |
| **Total Xylenes*** | **0.701** | 0.150 | 09/08/2021 | ND | 6.07 | 101 | 6.00 | 2.01 | GC-NC1 |
| **Total BTEX** | **0.701** | 0.300 | 09/08/2021 | ND | | | | | GC-NC1 |

*Surrogate: 4-Bromofluorobenzene (PID* *131 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**TPH 8015M** **mg/kg** **Analyzed By: CK** **S-04**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **54.6** | 10.0 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| **DRO >C10-C28*** | **2610** | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | QM-07 |
| **EXT DRO >C28-C36** | **534** | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *105 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *147 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: NW 1 @ 0-0.5' (H212437-02)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.83 | 91.7 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.03 | 101 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.00 | 100 | 2.00 | 2.75 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 6.07 | 101 | 6.00 | 2.01 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| **DRO >C10-C28*** | **16.9** | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| **EXT DRO >C28-C36** | **23.3** | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.3 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *92.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: EW 1 @ 0-0.5' (H212437-03)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.83 | 91.7 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.03 | 101 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.00 | 100 | 2.00 | 2.75 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 6.07 | 101 | 6.00 | 2.01 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *91.2 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *91.4 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: EW 2 @ 0-0.5' (H212437-04)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.83 | 91.7 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.03 | 101 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.00 | 100 | 2.00 | 2.75 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 6.07 | 101 | 6.00 | 2.01 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.3 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *93.3 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: EW 3 @ 0-0.5' (H212437-05)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.83 | 91.7 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.03 | 101 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 2.00 | 100 | 2.00 | 2.75 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 6.07 | 101 | 6.00 | 2.01 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.2 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *93.1 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: EW 4 @ 0-0.5' (H212437-06)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.90 | 95.0 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.84 | 92.2 | 2.00 | 8.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.82 | 91.1 | 2.00 | 8.98 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 5.56 | 92.7 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.3 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *93.4 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: EW 5 @ 0-0.5' (H212437-07)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.90 | 95.0 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.84 | 92.2 | 2.00 | 8.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.82 | 91.1 | 2.00 | 8.98 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 5.56 | 92.7 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *94.4 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *93.2 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: EW 6 @ 0-0.5' (H212437-08)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.90 | 95.0 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.84 | 92.2 | 2.00 | 8.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.82 | 91.1 | 2.00 | 8.98 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 5.56 | 92.7 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.8 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *95.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: WW 1 @ 0-0.5' (H212437-09)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.90 | 95.0 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.84 | 92.2 | 2.00 | 8.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.82 | 91.1 | 2.00 | 8.98 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 5.56 | 92.7 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.1 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *94.0 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: WW 2 @ 0-0.5' (H212437-10)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.90 | 95.0 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.84 | 92.2 | 2.00 | 8.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.82 | 91.1 | 2.00 | 8.98 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 5.56 | 92.7 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| **DRO >C10-C28*** | **471** | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| **EXT DRO >C28-C36** | **136** | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *93.8 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *105 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: WW 3 @ 0-0.5' (H212437-11)

**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 | 09/08/2021 | ND | 1.90 | 95.0 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.84 | 92.2 | 2.00 | 8.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.82 | 91.1 | 2.00 | 8.98 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 5.56 | 92.7 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| **DRO >C10-C28*** | **71.6** | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| **EXT DRO >C28-C36** | **19.5** | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *92.8 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *97.9 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: WW 4 @ 0-0.5' (H212437-12)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.90 | 95.0 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.84 | 92.2 | 2.00 | 8.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.82 | 91.1 | 2.00 | 8.98 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 5.56 | 92.7 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.4 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *95.7 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: WW 5 @ 0-0.5' (H212437-13)

**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 | 09/08/2021 | ND | 1.90 | 95.0 | 2.00 | 4.29 | |
| Toluene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.84 | 92.2 | 2.00 | 8.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2021 | ND | 1.82 | 91.1 | 2.00 | 8.98 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2021 | ND | 5.56 | 92.7 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 09/08/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *109 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *95.4 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *95.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: WW 6 @ 0-0.5' (H212437-14)

**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 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| **DRO >C10-C28*** | **46.4** | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| **EXT DRO >C28-C36** | **10.2** | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *96.2 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *98.6 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: WW 7 @ 0-0.5' (H212437-15)

**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 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *118 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**TPH 8015M** mg/kg **Analyzed By: CK**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **32.8** | 10.0 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| **DRO >C10-C28*** | **1050** | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| **EXT DRO >C28-C36** | **166** | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *101 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *110 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 1 @ 0.5' (H212437-16)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 432 | 108 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.1 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *97.0 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 2 @ 0.5' (H212437-17)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | ND | 416 | 104 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *104 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *104 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 3 @ 0.5' (H212437-18)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 416 | 104 | 400 | 3.77 | |

**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 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| **DRO >C10-C28*** | **86.8** | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.6 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *104 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 4 @ 0.5' (H212437-19)

**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 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| **Total Xylenes*** | **0.365** | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | GC-NC1 |
| **Total BTEX** | **0.365** | 0.300 | 09/09/2021 | ND | | | | | GC-NC1 |

*Surrogate: 4-Bromofluorobenzene (PID* *130 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** **mg/kg** **Analyzed By: CK** **S-04**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **100** | 10.0 | 09/08/2021 | ND | 203 | 102 | 200 | 1.49 | |
| **DRO >C10-C28*** | **4290** | 10.0 | 09/08/2021 | ND | 191 | 95.3 | 200 | 2.95 | |
| **EXT DRO >C28-C36** | **758** | 10.0 | 09/08/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *141 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *194 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 5 @ 0.5' (H212437-20)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *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** | **16.0** | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **187** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **61.5** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *111 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *123 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 6 @ 0.5' (H212437-21)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *109 %* *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** | **32.0** | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **388** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **96.2** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *108 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *123 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 7 @ 0.5' (H212437-22)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *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** | **16.0** | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **394** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **109** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *114 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *130 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 8 @ 0.5' (H212437-23)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *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** | **32.0** | 16.0 | 09/08/2021 | 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*** | **13.0** | 10.0 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **983** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **220** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *115 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *141 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 9 @ 0.5' (H212437-24)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *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** | **16.0** | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **703** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **187** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *112 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *137 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 10 @ 0.5' (H212437-25)

**BTEX 8021B** — **mg/kg** — **Analyzed By: MS** — **S-04**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| **Total Xylenes*** | **0.652** | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | GC-NC1 |
| **Total BTEX** | **0.652** | 0.300 | 09/09/2021 | ND | | | | | GC-NC1 |

*Surrogate: 4-Bromofluorobenzene (PID* *159 %* *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** | **32.0** | 16.0 | 09/08/2021 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** — **mg/kg** — **Analyzed By: MS** — **S-06**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **142** | 50.0 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **8550** | 50.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **1770** | 50.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *189 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *353 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 11 @ 0.5' (H212437-26)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *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 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **558** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **173** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *102 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *126 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 12 @ 0.5' (H212437-27)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *121 %* *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 | 09/08/2021 | ND | 416 | 104 | 400 | 3.77 | |

**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*** | **42.5** | 10.0 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **4010** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **955** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *130 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *231 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 13 @ 0.5' (H212437-28)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *105 %* *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** | **16.0** | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **223** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **113** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *108 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *119 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 14 @ 0.5' (H212437-29)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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** | **16.0** | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **97.4** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **27.0** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *108 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *117 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 15 @ 0.5' (H212437-30)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| **Total Xylenes*** | **0.461** | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | GC-NC1 |
| **Total BTEX** | **0.461** | 0.300 | 09/09/2021 | ND | | | | | GC-NC1 |

*Surrogate: 4-Bromofluorobenzene (PID* *132 %* *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 | <16.0 | 16.0 | 09/08/2021 | 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*** | **31.4** | 10.0 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **1250** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **271** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *111 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *142 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 16 @ 0.5' (H212437-31)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *104 %* *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** | **16.0** | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **215** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **56.8** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *105 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *117 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 17 @ 0.5' (H212437-32)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *106 %* *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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **151** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **35.3** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *105 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *113 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 18 @ 0.5' (H212437-33)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.82 | 91.2 | 2.00 | 15.2 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.85 | 92.3 | 2.00 | 14.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.83 | 91.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 5.64 | 94.1 | 6.00 | 14.2 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **170** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **32.6** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *113 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *123 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 19 @ 0.5' (H212437-34)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **281** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **60.9** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *105 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *117 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 20 @ 0.5' (H212437-35)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **765** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **183** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *104 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *132 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 21 @ 0.5' (H212437-36)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **412** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **102** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *107 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *124 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 22 @ 0.5' (H212437-37)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **297** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **60.5** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *108 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *121 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 23 @ 0.5' (H212437-38)

**BTEX 8021B** — **mg/kg** — **Analyzed By: MS** — **S-04**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| **Total Xylenes*** | **1.39** | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | GC-NC1 |
| **Total BTEX** | **1.39** | 0.300 | 09/09/2021 | ND | | | | | GC-NC1 |

*Surrogate: 4-Bromofluorobenzene (PID* *141 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 416 | 104 | 400 | 3.77 | |

**TPH 8015M** — **mg/kg** — **Analyzed By: MS** — **S-06**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **192** | 50.0 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **6950** | 50.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **1330** | 50.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *167 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *303 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 24 @ 0.5' (H212437-39)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *109 %* *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 | <16.0 | 16.0 | 09/08/2021 | ND | 416 | 104 | 400 | 3.77 | |

**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*** | **21.2** | 10.0 | 09/09/2021 | ND | 221 | 110 | 200 | 0.0362 | |
| **DRO >C10-C28*** | **1610** | 10.0 | 09/09/2021 | ND | 215 | 107 | 200 | 0.437 | |
| **EXT DRO >C28-C36** | **334** | 10.0 | 09/09/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *113 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *153 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 26 @ 0.5' (H212437-40)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/10/2021 | ND | 228 | 114 | 200 | 7.73 | |
| **DRO >C10-C28*** | **38.6** | 10.0 | 09/10/2021 | ND | 232 | 116 | 200 | 10.6 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *104 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *107 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 28 @ 0.5' (H212437-41)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | ND | 416 | 104 | 400 | 3.77 | |

**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*** | **10.4** | 10.0 | 09/10/2021 | ND | 228 | 114 | 200 | 7.73 | |
| **DRO >C10-C28*** | **1170** | 10.0 | 09/10/2021 | ND | 232 | 116 | 200 | 10.6 | |
| **EXT DRO >C28-C36** | **247** | 10.0 | 09/10/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *112 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *147 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 29 @ 0.5' (H212437-42)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/10/2021 | ND | 228 | 114 | 200 | 7.73 | |
| **DRO >C10-C28*** | **20.5** | 10.0 | 09/10/2021 | ND | 232 | 116 | 200 | 10.6 | |
| **EXT DRO >C28-C36** | **15.4** | 10.0 | 09/10/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *105 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *108 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 30 @ 0.5' (H212437-43)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/10/2021 | ND | 228 | 114 | 200 | 7.73 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2021 | ND | 232 | 116 | 200 | 10.6 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *104 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *107 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 31 @ 0.5' (H212437-44)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/10/2021 | ND | 228 | 114 | 200 | 7.73 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2021 | ND | 232 | 116 | 200 | 10.6 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *108 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *109 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 32 @ 0.5' (H212437-45)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/10/2021 | ND | 228 | 114 | 200 | 7.73 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2021 | ND | 232 | 116 | 200 | 10.6 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *107 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *110 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 33 @ 0.5' (H212437-46)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/10/2021 | ND | 228 | 114 | 200 | 7.73 | |
| **DRO >C10-C28*** | **61.9** | 10.0 | 09/10/2021 | ND | 232 | 116 | 200 | 10.6 | |
| **EXT DRO >C28-C36** | **12.9** | 10.0 | 09/10/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *106 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *112 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 34 @ 0.5' (H212437-47)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/10/2021 | ND | 228 | 114 | 200 | 7.73 | |
| **DRO >C10-C28*** | **257** | 10.0 | 09/10/2021 | ND | 232 | 116 | 200 | 10.6 | |
| **EXT DRO >C28-C36** | **52.8** | 10.0 | 09/10/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *101 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *113 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/07/2021 | Sampling Date: | 09/03/2021 |
| Reported: | 09/13/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 35 @ 0.5' (H212437-48)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/09/2021 | ND | 1.94 | 97.1 | 2.00 | 6.30 | |
| Toluene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.13 | 106 | 2.00 | 6.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/09/2021 | ND | 2.11 | 105 | 2.00 | 6.57 | |
| Total Xylenes* | <0.150 | 0.150 | 09/09/2021 | ND | 6.35 | 106 | 6.00 | 6.30 | |
| Total BTEX | <0.300 | 0.300 | 09/09/2021 | 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 | <16.0 | 16.0 | 09/08/2021 | 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 | 09/10/2021 | ND | 228 | 114 | 200 | 7.73 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/10/2021 | ND | 232 | 116 | 200 | 10.6 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/10/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *106 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *108 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## 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. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QR-04 | The RPD for the BS/BSD was outside of historical limits. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| GC-NC1 | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

# CARDINAL 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** | |
| Project Manager: | Joel Lowry | P.O. #: | |
| Address: | 2617 West Marland | Company | ETC |
| City: | Hobbs | Attn: | Dean Ericsson |
| State: | NM | Address: | |
| Zip: | 88240 | City: | |
| Phone #: | (575) 264-9884 | State: | |
| Fax #: | | Zip: | |
| Project #: | 14746 | Phone #: | |
| Project Owner: | ETC | Fax #: | |
| Project Name: | MA-4 | | |
| Project Location: | Rural Lea County, NM | | |
| Sampler Name: | Matthew Grieco | | |

ANALYSIS REQUEST

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H212437 | | | | | | | | | | | | | | | | | |
| 1 | SW1 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 2 | NW1 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 3 | EW1 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 4 | EW2 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 5 | EW3 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 6 | EW4 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 7 | EW5 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 8 | EW6 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 9 | WW1 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 10 | WW2 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |

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

| | | | |
|---|---|---|---|
| Relinquished By: | Date: 9-7-21 | Received By: | |
| | Time: 1445 | | |
| Relinquished By: | Date: | Received By: | |
| | Time: | | |

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 0.8°C #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials) T.O.

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM

Released to Imaging: 12/28/2021 9:45:40 AM

# CARDINAL 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. | | |
| Project Manager: | Joel Lowry | | |
| Address: | 2617 West Marland | | |
| City: | Hobbs | State: NM | Zip: 88240 |
| Phone #: | (575) 264-9884 | Fax #: | |
| Project #: | 14746 | Project Owner: | ETC |
| Project Name: | MA-4 | | |
| Project Location: | Rural Lea County, NM | | |
| Sampler Name: | Matthew Grieco | | |

**BILL TO**

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

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H212437 | | | | | | | | | | | | | | | | | |
| 11 | WW3 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 12 | WW4 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 13 | WW5 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 14 | WW6 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 15 | WW7 @ 0-0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 16 | F1 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 17 | F2 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 18 | F3 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 19 | F4 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 20 | F5 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |

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

| | | | |
|---|---|---|---|
| Relinquished By: | Date: 9-7-21 | Received By: | |
| | Time: 1445 | | |
| Relinquished By: | Date: | Received By: | |
| | Time: | | |

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 0.8c #113

Sample Condition: Cool ☑ Yes ☑ Yes; Intact ☐ No ☐ No
CHECKED BY: (Initials) TO

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM

Released to Imaging: 12/28/2021 9:45:40 AM

# CARDINAL 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** | |
| Project Manager: | Joel Lowry | P.O. #: | |
| Address: | 2617 West Marland | Company | ETC |
| City: | Hobbs | Attn: | Dean Ericsson |
| State: | NM | Address: | |
| Zip: | 88240 | City: | |
| Phone #: | (575) 264-9884 | State: | Zip: |
| Fax #: | | Phone #: | |
| Project #: | 14746 | Fax #: | |
| Project Owner: | ETC | | |
| Project Name: | MA-4 | | |
| Project Location: | Rural Lea County, NM | | |
| Sampler Name: | Matthew Grieco | | |

ANALYSIS REQUEST

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H212437 | | | | | | | | | | | | | | | | | |
| 21 | F6 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 22 | F7 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 23 | F8 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 24 | F9 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 25 | F10 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 26 | F11 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 27 | F12 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 28 | F13 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 29 | F14 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 30 | F15 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |

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

| | | | |
|---|---|---|---|
| Relinquished By: Matt Gr | Date: 9-7-21 Time: 1445 | Received By: Tamara Oldaker | Phone Result: ☐ Yes ☐ No Add'l Phone #: |
| | | | Fax Result: ☐ Yes ☐ No Add'l Fax #: |
| | | | REMARKS: |
| Relinquished By: | Date: | Received By: | |
| | Time: | | |
| Delivered By: (Circle One) | | Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No | CHECKED BY: (Initials) |
| Sampler - UPS - Bus - Other: 0.8c #113 | | | |

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM

Released to Imaging: 12/28/2021 9:45:40 AM

**CARDINAL 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. |
| Project Manager: | Joel Lowry |
| Address: | 2617 West Marland |
| City: | Hobbs |
| State: | NM |
| Zip: | 88240 |
| Phone #: | (575) 264-9884 |
| Fax #: | |
| Project #: | 14746 |
| Project Owner: | ETC |
| Project Name: | MA-4 |
| Project Location: | Rural Lea County, NM |
| Sampler Name: | Matthew Grieco |

**BILL TO**

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

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H212437 | | | | | | | | | | | | | | | | | |
| 31 | F16 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 32 | F17 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 33 | F18 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 34 | F19 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 35 | F20 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 36 | F21 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 37 | F22 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 38 | F23 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 39 | F24 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 40 | F26 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |

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

| | | | |
|---|---|---|---|
| Relinquished By: | Date: 9-7-21 | Received By: | |
| | Time: 1445 | | |
| Relinquished By: | Date: | Received By: | |
| | Time: | | |

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 0.8c #113

Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials) YO

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM

Released to Imaging: 12/28/2021 9:45:40 AM

# CARDINAL 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. | | |
| Project Manager: | Joel Lowry | | |
| Address: | 2617 West Marland | | |
| City: | Hobbs | State: NM | Zip: 88240 |
| Phone #: | (575) 264-9884 | Fax #: | |
| Project #: | 14746 | Project Owner: | ETC |
| Project Name: | MA-4 | | |
| Project Location: | Rural Lea County, NM | | |
| Sampler Name: | Matthew Grieco | | |

**BILL TO**

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

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. H212437 | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | F28 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 42 | F29 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 43 | F30 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 44 | F31 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 45 | F32 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 46 | F33 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 47 | F34 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |
| 48 | F35 @ 0.5' | C | 1 | | | X | | | | | X | | 9/3/21 | | X | X | X |

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

| | | | |
|---|---|---|---|
| Relinquished By: | Date: 9-7-21 | Received By: | |
| | Time: 1445 | | |
| Relinquished By: | Date: | Received By: | |
| | Time: | | |

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 0.8c #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM

Released to Imaging: 12/28/2021 9:45:40 AM

CARDINAL Laboratories

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

September 20, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC MA-4

Enclosed are the results of analyses for samples received by the laboratory on 09/14/21 14:50.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/14/2021 | Sampling Date: | 09/14/2021 |
| Reported: | 09/20/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 25 @ 0.5' (H212547-01)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.83 | 91.3 | 2.00 | 3.07 | |
| Toluene* | <0.050 | 0.050 | 09/15/2021 | ND | 2.00 | 100 | 2.00 | 2.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.96 | 97.9 | 2.00 | 3.36 | |
| **Total Xylenes*** | **0.887** | 0.150 | 09/15/2021 | ND | 5.94 | 99.0 | 6.00 | 3.57 | GC-NC1 |
| **Total BTEX** | **0.887** | 0.300 | 09/15/2021 | ND | | | | | GC-NC1 |

*Surrogate: 4-Bromofluorobenzene (PID* *134 %* *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** | **32.0** | 16.0 | 09/16/2021 | ND | 416 | 104 | 400 | 3.77 | |

**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*** | **115** | 50.0 | 09/16/2021 | ND | 225 | 113 | 200 | 0.952 | |
| **DRO >C10-C28*** | **3570** | 50.0 | 09/16/2021 | ND | 229 | 114 | 200 | 0.908 | |
| **EXT DRO >C28-C36** | **619** | 50.0 | 09/16/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *113 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *180 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/14/2021 | Sampling Date: | 09/14/2021 |
| Reported: | 09/20/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: F 27 @ 0.5' (H212547-02)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.83 | 91.3 | 2.00 | 3.07 | |
| Toluene* | <0.050 | 0.050 | 09/15/2021 | ND | 2.00 | 100 | 2.00 | 2.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.96 | 97.9 | 2.00 | 3.36 | |
| Total Xylenes* | <0.150 | 0.150 | 09/15/2021 | ND | 5.94 | 99.0 | 6.00 | 3.57 | |
| Total BTEX | <0.300 | 0.300 | 09/15/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *112 %* *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** | **16.0** | 16.0 | 09/16/2021 | 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*** | **10.9** | 10.0 | 09/16/2021 | ND | 197 | 98.5 | 200 | 0.714 | |
| **DRO >C10-C28*** | **1160** | 10.0 | 09/16/2021 | ND | 223 | 111 | 200 | 2.99 | QM-07 |
| **EXT DRO >C28-C36** | **276** | 10.0 | 09/16/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *103 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *131 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/14/2021 | Sampling Date: | 09/14/2021 |
| Reported: | 09/20/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: V 1 @ 2' (H212547-03)

**BTEX 8021B** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.83 | 91.3 | 2.00 | 3.07 | |
| Toluene* | <0.050 | 0.050 | 09/15/2021 | ND | 2.00 | 100 | 2.00 | 2.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.96 | 97.9 | 2.00 | 3.36 | |
| Total Xylenes* | <0.150 | 0.150 | 09/15/2021 | ND | 5.94 | 99.0 | 6.00 | 3.57 | |
| Total BTEX | <0.300 | 0.300 | 09/15/2021 | 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** | **32.0** | 16.0 | 09/16/2021 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/16/2021 | ND | 197 | 98.5 | 200 | 0.714 | |
| **DRO >C10-C28*** | **17.9** | 10.0 | 09/16/2021 | ND | 223 | 111 | 200 | 2.99 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/16/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *101 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *99.0 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/14/2021 | Sampling Date: | 09/14/2021 |
| Reported: | 09/20/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: V 2 @ 1' (H212547-05)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.83 | 91.3 | 2.00 | 3.07 | |
| Toluene* | <0.050 | 0.050 | 09/15/2021 | ND | 2.00 | 100 | 2.00 | 2.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.96 | 97.9 | 2.00 | 3.36 | |
| Total Xylenes* | <0.150 | 0.150 | 09/15/2021 | ND | 5.94 | 99.0 | 6.00 | 3.57 | |
| Total BTEX | <0.300 | 0.300 | 09/15/2021 | 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** | **16.0** | 16.0 | 09/16/2021 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/16/2021 | ND | 197 | 98.5 | 200 | 0.714 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/16/2021 | ND | 223 | 111 | 200 | 2.99 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/16/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *102 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *99.2 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/14/2021 | Sampling Date: | 09/14/2021 |
| Reported: | 09/20/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: V 3 @ 1' (H212547-08)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.83 | 91.3 | 2.00 | 3.07 | |
| Toluene* | <0.050 | 0.050 | 09/15/2021 | ND | 2.00 | 100 | 2.00 | 2.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.96 | 97.9 | 2.00 | 3.36 | |
| Total Xylenes* | <0.150 | 0.150 | 09/15/2021 | ND | 5.94 | 99.0 | 6.00 | 3.57 | |
| Total BTEX | <0.300 | 0.300 | 09/15/2021 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *100 %* *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** | **32.0** | 16.0 | 09/16/2021 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/16/2021 | ND | 197 | 98.5 | 200 | 0.714 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/16/2021 | ND | 223 | 111 | 200 | 2.99 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/16/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *97.8 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *94.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## *Analytical Results For:*

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

| | | | |
|---|---|---|---|
| Received: | 09/14/2021 | Sampling Date: | 09/14/2021 |
| Reported: | 09/20/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: V 4 @ 1' (H212547-10)

**BTEX 8021B** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.83 | 91.3 | 2.00 | 3.07 | |
| Toluene* | <0.050 | 0.050 | 09/15/2021 | ND | 2.00 | 100 | 2.00 | 2.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/15/2021 | ND | 1.96 | 97.9 | 2.00 | 3.36 | |
| Total Xylenes* | <0.150 | 0.150 | 09/15/2021 | ND | 5.94 | 99.0 | 6.00 | 3.57 | |
| Total BTEX | <0.300 | 0.300 | 09/15/2021 | 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** | **32.0** | 16.0 | 09/16/2021 | ND | 416 | 104 | 400 | 0.00 | |

**TPH 8015M** mg/kg **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| GRO C6-C10* | <10.0 | 10.0 | 09/16/2021 | ND | 197 | 98.5 | 200 | 0.714 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/16/2021 | ND | 223 | 111 | 200 | 2.99 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/16/2021 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *114 %* *44.3-133*

*Surrogate: 1-Chlorooctadecane* *112 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Notes and Definitions

| | |
|---|---|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| GC-NC1 | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

# CARDINAL 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. | | |
| Project Manager: | Joel Lowry | | |
| Address: | 2617 West Marland | | |
| City: | Hobbs | State: NM | Zip: 88240 |
| Phone #: | (575) 264-9884 | Fax #: | |
| Project #: | 14746 | Project Owner: | ETC |
| Project Name: | MA-4 | | |
| Project Location: | Rural Lea County, NM | | |
| Sampler Name: | Matthew Grieco | | |

**BILL TO**

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

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H212547 | | | | | | | | | | | | | | | | | | |
| 1 | F25 @ 0.5' | C | 1 | | | X | | | | | X | | 9/14/21 | | X | X | X | |
| 2 | F27 @ 0.5' | C | 1 | | | X | | | | | X | | 9/14/21 | | X | X | X | |
| 3 | V1 @ 2' | G | 1 | | | X | | | | | X | | 9/14/21 | | X | X | X | |
| 4 | V1 @ 3' | G | 1 | | | X | | | | | X | | 9/14/21 | | | | | HOLD for TPH (ALL) |
| 5 | V2 @ 1' | G | 1 | | | X | | | | | X | | 9/14/21 | | X | X | X | |
| 6 | V2 @ 2' | G | 1 | | | X | | | | | X | | 9/14/21 | | | | | HOLD for TPH (ALL) |
| 7 | V2 @ 3' | G | 1 | | | X | | | | | X | | 9/14/21 | | | | | HOLD for TPH (ALL) |
| 8 | V3 @ 1' | G | 1 | | | X | | | | | X | | 9/14/21 | | X | X | X | |
| 9 | V3 @ 2' | G | 1 | | | X | | | | | X | | 9/14/21 | | | | | HOLD for TPH (ALL) |
| 10 | V4 @ 1' | G | 1 | | | X | | | | | X | | 9/14/21 | | X | X | X | |

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

| | | | |
|---|---|---|---|
| Relinquished By: | Date: 9-14-21 | Received By: | Tamara Oldaker |
| | Time: 1450 | | |
| Relinquished By: | Date: | Received By: | |
| | Time: | | |

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.
Hold indicated samples.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: -1.0°C #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

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

FORM-006
Revision 1.0

Received by OCD: 12/2/2021 8:41:28 AM

Released to Imaging: 12/28/2021 9:45:40 AM

# CARDINAL 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. | | |
| Project Manager: | Joel Lowry | | |
| Address: | 2617 West Marland | | |
| City: | Hobbs | State: NM | Zip: 88240 |
| Phone #: | (575) 264-9884 | Fax #: | |
| Project #: | 14746 | Project Owner: | ETC |
| Project Name: | MA-4 | | |
| Project Location: | Rural Lea County, NM | | |
| Sampler Name: | Matthew Grieco | | |

**BILL TO**

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

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H212547 11 | V4 @ 2' | G | 1 | | | X | | | | | X | | 9/14/21 | | | | | HOLD for TPH (ALL) |

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

| | | | |
|---|---|---|---|
| Relinquished By: | Date: 9-14-21 | Received By: | |
| | Time: 1450 | | |
| Relinquished By: | Date: | Received By: | |
| | Time: | | |

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.
Hold indicated samples.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: -1.0°C #113

| Sample Condition Cool | Intact | CHECKED BY: (Initials) |
|---|---|---|
| ☑ Yes ☐ No | ☑ Yes ☐ No | TO |

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

FORM-006
Revision 1.0

Received by OCD: 12/2/2021 8:41:28 AM

Released to Imaging: 12/28/2021 9:45:40 AM

CARDINAL Laboratories

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

October 28, 2021

KATHY PURVIS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC MA-4

Enclosed are the results of analyses for samples received by the laboratory on 10/25/21 15:08.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

Etech Environmental & Safety Solutions
KATHY PURVIS
2617 W MARLAND
HOBBS NM, 88240
Fax To:

| | | | |
|---|---|---|---|
| Received: | 10/25/2021 | Sampling Date: | 10/25/2021 |
| Reported: | 10/28/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 4 B @ 3.5' (H212996-01)

**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 | 10/26/2021 | ND | 221 | 111 | 200 | 0.952 | |
| **DRO >C10-C28*** | **13.6** | 10.0 | 10/26/2021 | ND | 215 | 107 | 200 | 1.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *87.6 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *85.2 %* | *38.9-142* |

### Sample ID: FL 5 B @ 2' (H212996-02)

**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 | 10/26/2021 | ND | 226 | 113 | 200 | 2.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2021 | ND | 223 | 112 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *81.0 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *78.9 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

Etech Environmental & Safety Solutions
KATHY PURVIS
2617 W MARLAND
HOBBS NM, 88240
Fax To:

| | | | |
|---|---|---|---|
| Received: | 10/25/2021 | Sampling Date: | 10/25/2021 |
| Reported: | 10/28/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 6 B @ 3.5' (H212996-03)

**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 | 10/26/2021 | ND | 226 | 113 | 200 | 2.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2021 | ND | 223 | 112 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *90.3 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *85.9 %* | *38.9-142* |

### Sample ID: FL 7 B @ 2' (H212996-04)

**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 | 10/27/2021 | ND | 227 | 114 | 200 | 0.193 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/27/2021 | ND | 217 | 108 | 200 | 0.933 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/27/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *96.4 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *94.9 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

Etech Environmental & Safety Solutions
KATHY PURVIS
2617 W MARLAND
HOBBS NM, 88240
Fax To:

| | | | |
|---|---|---|---|
| Received: | 10/25/2021 | Sampling Date: | 10/25/2021 |
| Reported: | 10/28/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 8 B @ 3.5' (H212996-05)

**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 | 10/27/2021 | ND | 227 | 114 | 200 | 0.193 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/27/2021 | ND | 217 | 108 | 200 | 0.933 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/27/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *101 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *98.3 %* | *38.9-142* |

### Sample ID: WW2B (H212996-06)

**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 | 10/27/2021 | ND | 227 | 114 | 200 | 0.193 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/27/2021 | ND | 217 | 108 | 200 | 0.933 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/27/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *99.2 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *101 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1



Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Kathy Purvis
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 147746 Project Owner: ETC
Project Name: MA-4
Project Location: Rural Lea County, NM
Sampler Name: Jimmy Hand

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

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | PRESERV.: ACID/BASE: | ICE / COOL | OTHER: | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H212996-1 | FL4B@3.5' | C | 1 | | | ✓ | | | | | ✓ | | 10/25/21 | | | X | |
| 2 | FL5B@2' | C | 1 | | | ✓ | | | | | ✓ | | ↓ | | | X | |
| 3 | FL6B@3.5' | C | 1 | | | ✓ | | | | | ✓ | | | | | X | |
| 4 | FL7B@2' | C | 1 | | | ✓ | | | | | ✓ | | | | | X | |
| 5 | FL8B@3.5' | C | 1 | | | ✓ | | | | | ✓ | | | | | X | |
| 6 | WW2B | C | 1 | | | ✓ | | | | | ✓ | | | | | X | |

LAD 10/25/21

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

Relinquished By: Jimmy Hand Date: 10/25/21 Time: 1:45pm Received By: KAS
Relinquished By: KAS Date: 10-25-21 Time: 1:58 Received By: Tamara Oldham
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.6 C -0.5 4.1 #413
Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TO

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM
Released to Imaging: 12/28/2021 9:45:40 AM

CARDINAL Laboratories

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

November 01, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC MA-4

Enclosed are the results of analyses for samples received by the laboratory on 10/29/21 8:35.

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.

Cardinal Laboratories is accreditated 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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 9 B @ 4' (H213053-01)

**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 | 10/29/2021 | ND | 223 | 111 | 200 | 2.77 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/29/2021 | ND | 218 | 109 | 200 | 2.01 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/29/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *87.2 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *87.0 %* | *38.9-142* |

### Sample ID: FL 10 B @ 4' (H213053-02)

**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 | 10/29/2021 | ND | 223 | 111 | 200 | 2.77 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/29/2021 | ND | 218 | 109 | 200 | 2.01 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/29/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *64.2 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *64.1 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 11 @ 7' (H213053-03)

**TPH 8015M** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **355** | 10.0 | 10/29/2021 | ND | 223 | 111 | 200 | 2.77 | |
| **DRO >C10-C28*** | **791** | 10.0 | 10/29/2021 | ND | 218 | 109 | 200 | 2.01 | |
| **EXT DRO >C28-C36** | **245** | 10.0 | 10/29/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *115 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *108 %* | *38.9-142* |

### Sample ID: FL 12 @ 6' (H213053-04)

**TPH 8015M** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **286** | 10.0 | 10/29/2021 | ND | 223 | 111 | 200 | 2.77 | |
| **DRO >C10-C28*** | **748** | 10.0 | 10/29/2021 | ND | 218 | 109 | 200 | 2.01 | |
| **EXT DRO >C28-C36** | **260** | 10.0 | 10/29/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *88.5 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *82.5 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 13 @ 6' (H213053-05)

**TPH 8015M** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **1020** | 10.0 | 10/29/2021 | ND | 223 | 111 | 200 | 2.77 | |
| **DRO >C10-C28*** | **1100** | 10.0 | 10/29/2021 | ND | 218 | 109 | 200 | 2.01 | |
| **EXT DRO >C28-C36** | **392** | 10.0 | 10/29/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *131 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *94.1 %* | *38.9-142* |

### Sample ID: FL 14 @ 6' (H213053-06)

**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 | 10/29/2021 | ND | 223 | 111 | 200 | 2.77 | |
| **DRO >C10-C28*** | **75.9** | 10.0 | 10/29/2021 | ND | 218 | 109 | 200 | 2.01 | |
| **EXT DRO >C28-C36** | **56.5** | 10.0 | 10/29/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *82.0 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *84.3 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 15 @ 4' (H213053-07)

**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 | 10/29/2021 | ND | 223 | 111 | 200 | 2.77 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/29/2021 | ND | 218 | 109 | 200 | 2.01 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/29/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *69.0 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *69.2 %* | *38.9-142* |

### Sample ID: FL 16 @ 5' (H213053-08)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| **DRO >C10-C28*** | **81.0** | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| **EXT DRO >C28-C36** | **33.8** | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *79.6 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *79.6 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 17 @ 4' (H213053-09)

**TPH 8015M** **mg/kg** **Analyzed By: MS**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **GRO C6-C10*** | **19.0** | 10.0 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| **DRO >C10-C28*** | **372** | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| **EXT DRO >C28-C36** | **80.3** | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *98.6 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *102 %* | *38.9-142* |

### Sample ID: FL 18 @ 4' (H213053-10)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *96.7 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *93.7 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 19 @ 2' (H213053-11)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *95.3 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *93.2 %* | *38.9-142* |

### Sample ID: FL 20 @ 2' (H213053-12)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *91.4 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *88.6 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 21 @ 7' (H213053-13)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *78.0 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *75.3 %* | *38.9-142* |

### Sample ID: FL 22 @ 2' (H213053-14)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *90.2 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *87.5 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 23 @ 2' (H213053-15)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *92.6 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *90.0 %* | *38.9-142* |

### Sample ID: FL 24 @ 2' (H213053-16)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *88.4 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *85.4 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 25 @ 4' (H213053-17)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *91.7 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *89.6 %* | *38.9-142* |

### Sample ID: FL 27 @ 4' (H213053-18)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *90.7 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *87.7 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: FL 28 @ 2' (H213053-19)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *92.5 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *90.2 %* | *38.9-142* |

### Sample ID: FL 34 @ 6' (H213053-20)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| **DRO >C10-C28*** | **60.5** | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| **EXT DRO >C28-C36** | **27.6** | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *91.2 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *89.1 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 10/29/2021 | Sampling Date: | 10/28/2021 |
| Reported: | 11/01/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA CO NM | | |

### Sample ID: SW 1B (H213053-21)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *79.0 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *76.6 %* | *38.9-142* |

### Sample ID: WW 7B (H213053-22)

**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 | 11/01/2021 | ND | 217 | 109 | 200 | 0.623 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/01/2021 | ND | 211 | 106 | 200 | 0.563 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/01/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *89.8 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *87.2 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | |
|---|---|---|---|
| Company Name: | Etech Environmental & Safety Solutions, Inc. | BILL TO | |
| Project Manager: | Joel Lowry | P.O. #: | |
| Address: | 2617 West Marland | Company | ETC |
| City: Hobbs | State: NM Zip: 88240 | Attn: | Dean Ericsson |
| Phone #: (575) 264-9884 | Fax #: | Address: | |
| Project #: 14746 | Project Owner: ETC | City: | |
| Project Name: MA-4 | | State: | Zip: |
| Project Location: | Rural Lea County, NM | Phone #: | |
| Sampler Name: | Joel Lowry | Fax #: | |

ANALYSIS REQUEST

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H213053 | | | | | | | | | | | | | | | | | |
| 1 | FL9b @ 4' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 2 | FL10b @ 4' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 3 | FL11 @ 7' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 4 | FL12 @ 6' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 5 | FL13 @ 6' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 6 | FL14 @ 6' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 7 | FL15 @ 4' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 8 | FL16 @ 5' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 9 | FL17 @ 4' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 10 | FL18 @ 4' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |

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

| | | | |
|---|---|---|---|
| Relinquished By: | Date: 10/28/21 Time: 7pm | Received By: | |
| Relinquished By: | Date: 10/29/21 Time: 8:35am | Received By: | Samara Oldaker |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | -7.4° C -0.5° -7.9° #113 | Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No | CHECKED BY: (Initials) T.O. |

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM
Released to Imaging: 12/28/2021 9:45:40 AM

CARDINAL 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 | |
| Project Manager: | Joel Lowry | P.O. #: | |
| Address: | 2617 West Marland | Company | ETC |
| City: Hobbs | State: NM Zip: 88240 | Attn: | Dean Ericsson |
| Phone #: | (575) 264-9884 Fax #: | Address: | |
| Project #: | 14746 Project Owner: ETC | City: | |
| Project Name: | MA-4 | State: | Zip: |
| Project Location: | Rural Lea County, NM | Phone #: | |
| Sampler Name: | Joel Lowry | Fax #: | |

ANALYSIS REQUEST

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H21 3053 | | | | | | | | | | | | | | | | | |
| 11 | FL19 @ 2' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 12 | FL20 @ 2' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 13 | FL21 @ 7' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 14 | FL22 @ 2' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 15 | FL23 @ 2' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 16 | FL24 @ 2' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 17 | FL25 @ 4' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 18 | FL27 @ 4' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 19 | FL28 @ 2' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| 20 | FL34 @ 6' | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |

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

| | | | |
|---|---|---|---|
| Relinquished By: | Date: 10/28/21 Time: 6 pm | Received By: | |
| Relinquished By: | Date: 10/29/21 Time: 8:35 am | Received By: | Tamara Oldaker |
| Delivered By: (Circle One) | -7.4° C - 10.5° | Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No | CHECKED BY: (Initials) |
| Sampler - UPS - Bus - Other: | C - 7.9° #113 | | T.D. |

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM
Released to Imaging: 12/28/2021 9:45:40 AM

# CARDINAL 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. | | |
| Project Manager: | Joel Lowry | | |
| Address: | 2617 West Marland | | |
| City: | Hobbs | State: NM | Zip: 88240 |
| Phone #: | (575) 264-9884 | Fax #: | |
| Project #: | 14746 | Project Owner: | ETC |
| Project Name: | MA-4 | | |
| Project Location: | Rural Lea County, NM | | |
| Sampler Name: | Joel Lowry | | |

**BILL TO**

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

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H213053 | | | | | | | | | | | | | | | | | |
| -21 | SW1b | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |
| -22 | WW7b | C | 1 | | | X | | | | | X | | 10/28/21 | | | X | |

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

| | | | |
|---|---|---|---|
| Relinquished By: | Date: 10/28/21 Time: 4pm | Received By: | |
| Relinquished By: | Date: 10/29/21 Time: 8:35am | Received By: | Tamara Oldaker |
| Delivered By: (Circle One) | -7.4° C-0.5° | Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No | CHECKED BY: (Initials) V.O. |
| Sampler - UPS - Bus - Other: | -7.9° #113 | | |

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM
Released to Imaging: 12/28/2021 9:45:40 AM

CARDINAL Laboratories

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

November 05, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC MA-4

Enclosed are the results of analyses for samples received by the laboratory on 11/04/21 15:15.

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.

Cardinal Laboratories is accreditated 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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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: | 11/04/2021 | Sampling Date: | 11/04/2021 |
| Reported: | 11/05/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Jodi Henson |
| Project Location: | LEA CO NM | | |

### Sample ID: 11C (H213137-01)

**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 | 11/04/2021 | ND | 214 | 107 | 200 | 3.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/04/2021 | ND | 204 | 102 | 200 | 2.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/04/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *81.6 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *81.0 %* | *38.9-142* |

### Sample ID: 12C (H213137-02)

**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 | 11/04/2021 | ND | 214 | 107 | 200 | 3.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/04/2021 | ND | 204 | 102 | 200 | 2.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/04/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *86.6 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *83.4 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: | 11/04/2021 | Sampling Date: | 11/04/2021 |
| Reported: | 11/05/2021 | Sampling Type: | Soil |
| Project Name: | ETC MA-4 | Sampling Condition: | Cool & Intact |
| Project Number: | 14746 | Sample Received By: | Jodi Henson |
| Project Location: | LEA CO NM | | |

**Sample ID: 13C (H213137-03)**

**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 | 11/04/2021 | ND | 214 | 107 | 200 | 3.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/04/2021 | ND | 204 | 102 | 200 | 2.28 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/04/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *84.6 %* | *44.3-133* |
| *Surrogate: 1-Chlorooctadecane* | *82.4 %* | *38.9-142* |

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

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

Mike Snyder For 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

1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: K. Purvis
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 14746 Project Owner: ETC
Project Name: MA-4
Project Location: Lea County, NM
Sampler Name: Jimmy Hand

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

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | PRESERV.: ACID/BASE: | ICE / COOL | OTHER: | SAMPLING DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H215137 | | | | | | | | | | | | | | | | | |
| 1 | 11C | C | 1 | | | ✓ | | | | | ✓ | | 11/4/21 | | | X | |
| 2 | 12C | C | 1 | | | ✓ | | | | | ✓ | | 11/4/21 | | | X | |
| 3 | 13C | C | 1 | | | ✓ | | | | | ✓ | | 11/4/21 | | | X | |

KAP 11/4/21

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

Relinquished By: [signature] Date: 11/4/21 Time: 3:15pm Received By: Jodi Henson
Relinquished By: Date: Time: Received By:

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: Rush!

Please email copy of COC and results to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 4.8°c -5 correction 4.3°c / #113
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)

FORM-006
Revision 1.0

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

Received by OCD: 12/2/2021 8:41:28 AM
Released to Imaging: 12/28/2021 9:45:40 AM

# Appendix D
# Photographic Log

# Photographic Log

| | |
|---|---|
| **Photo Number:** 1 | |
| **Photo Direction:** South | |
| **Photo Description:** Aerial view of the affected area. | |

| | |
|---|---|
| **Photo Number:** 2 | |
| **Photo Direction:** East | |
| **Photo Description:** Aerial view of the affected area. | |

# Photographic Log

| | |
|---|---|
| **Photo Number:** 3 | |
| **Photo Direction:** Northwest | |
| **Photo Description:** View of the affected area. | |

| | |
|---|---|
| **Photo Number:** 4 | |
| **Photo Direction:** Southwest | |
| **Photo Description:** View of the affected area. | |

# Photographic Log

| | |
|---|---|
| **Photo Number:** 5 | |
| **Photo Direction:** North | |
| **Photo Description:** View of the excavated area. | |

| | |
|---|---|
| **Photo Number:** 6 | |
| **Photo Direction:** North | |
| **Photo Description:** View of the excavated area. | |

# Photographic Log

| | |
|---|---|
| **Photo Number:** 7 | |
| **Photo Direction:** Northeast | |
| **Photo Description:** View of the excavated area. | |

| | |
|---|---|
| **Photo Number:** 8 | |
| **Photo Direction:** East | |
| **Photo Description:** View of the excavated area. | |

# Photographic Log

| | |
|---|---|
| **Photo Number:** 9 | |
| **Photo Direction:** North | |
| **Photo Description:** View of the remediated area following backfill and regrading. | |

| | |
|---|---|
| **Photo Number:** 10 | |
| **Photo Direction:** South | |
| **Photo Description:** View of the remediated area following backfill and regrading. | |

# Photographic Log

| | |
|---|---|
| **Photo Number:** 11 | |
| **Photo Direction:** South-Southeast | |
| **Photo Description:** View of the remediated area following backfill and regrading. | |

| | |
|---|---|
| **Photo Number:** 12 | |
| **Photo Direction:** South | |
| **Photo Description:** View of the remediated area following backfill and regrading. | |

**District I**
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
**District II**
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
**District III**
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
**District IV**
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

CONDITIONS

Action 64674

## CONDITIONS

| | |
|---|---|
| Operator:<br>ETC Texas Pipeline, Ltd.<br>8111 Westchester Drive<br>Dallas, TX 75225 | OGRID:<br>371183 |
| | Action Number:<br>64674 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| chensley | None | 12/28/2021 |