

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2125031738 |
| 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?   | 170 (ft bgs)  |
| Did this release impact groundwater or surface water?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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

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

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

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.

State of New Mexico  
Oil Conservation Division

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

Printed Name: Connor Walker Title: Sr. Engineer

Signature: Connor Walker Date: 1/3/2022

email: cwalker@mewbourne.com Telephone: (806) 202-5281

**OCD Only**

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

|                |                |
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## Closure

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

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

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

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

Printed Name: Connor Walker Title: Sr. Engineer

Signature: Connor Walker Date: 1/3/2022

email: cwalker@mewbourne.com Telephone: (806) 202-5281

**OCD Only**

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

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

Closure Approved by: Jennifer Nobui Date: 02/08/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

# Remediation Summary & Soil Closure Request

## Mewbourne Oil Company Slider 18 W0MD Fed Com #1H

Eddy County, New Mexico  
Unit Letter "M", Section 18, Township 23 South, Range 27 East  
Latitude 32.297924 North, Longitude 104.236742 West  
NMOCD Reference No. nAPP2125031738

Prepared By:

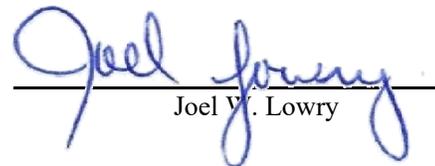
### Etech Environmental & Safety Solutions, Inc.

2507 79th Street, Unit A  
Lubbock, Texas 79423



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Ben J. Arguijo



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Joel V. Lowry



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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### 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company (ETC), has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Slider 18 W0MD Fed Com #1H (henceforth, "Slider 18"). Details of the release are summarized below:

| <b>Location of Release Source</b>   |   |  |  |        |
|---|---|--|--|--------|
| Latitude: <u>32.297924</u>  |   | Longitude: <u>-104.236742</u>              |  |        |
| Provided GPS are in WGS84 format.   |   |  |  |        |
| Site Name: <u>Slider 18 W0MD Fed Com #1H</u>  |   | Site Type: <u>Tank Battery</u>             |  |        |
| Date Release Discovered: <u>8/26/2021</u>   |   | API # (if applicable): <u>30-015-43621</u> |  |        |
| Unit Letter   | Section   | Township                                   | Range  | County |
| "M"   | 18  | 23S  | 27E  | Eddy   |
| Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Private (Name _____)   |   |  |  |        |
| <b>Nature and Volume of Release</b>   |   |  |  |        |
| <input checked="" type="checkbox"/> Crude Oil   | Volume Released (bbls)  | 200  | Volume Recovered (bbls)  | 0      |
| <input checked="" type="checkbox"/> Produced Water  | Volume Released (bbls)  | 400  | Volume Recovered (bbls)  | 30     |
|   | Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L? |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |        |
| <input type="checkbox"/> Condensate   | Volume Released (bbls)  |  | Volume Recovered (bbls)  |        |
| <input type="checkbox"/> Natural Gas  | Volume Released (Mcf)   |  | Volume Recovered (Mcf)   |        |
| <input type="checkbox"/> Other (describe)<br>Pipeline Liquids   | Volume/Weight Released  |  | Volume/Weight Recovered  |        |
| Cause of Release:<br>Static discharge ignited tank vapors, which in turn caught the tanks on fire.  |   |  |  |        |
| <b>Initial Response</b>   |   |  |  |        |
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices<br><input checked="" type="checkbox"/> 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 Slider 18 release 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?   | 170'                                    |  |  |
| Did the release impact groundwater or surface water?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?   | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Are the lateral extents of the release within 300 feet of a wetland?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Are the lateral extents of the release overlying a subsurface mine?   | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |  |
| Are the lateral extents of the release within a 100-year floodplain?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| Did the release impact areas not on an exploration, development, production or storage site?  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |  |

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish & Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2, 4, and 5.

## 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Slider 18 release site are as follows:

| Probable Depth to Groundwater | Constituent  | Laboratory Analytical Method      | Closure Criteria*† | Reclamation Standard*‡ |
|-------------------------------|--|-----------------------------------|--------------------|------------------------|
| 170'                          | Chloride (Cl-)   | EPA 300.0 or SM4500 Cl B          | 600                | 600                    |
|                               | Total Petroleum Hydrocarbons (TPH)                     | EPA SW-846 Method 8015M Ext       | 100                | 100                    |
|                               | Gas Range Organics + Diesel Range Organics (GRO + DRO) | EPA SW-846 Method 8015M           | N/A                | N/A                    |
|                               | Benzene  | EPA SW-846 Methods 8021b or 8260b | 10                 | 10                     |
|                               | Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)   | EPA SW-846 Methods 8021b or 8260b | 50                 | 50                     |

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

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

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

## 4.0 INITIAL SITE ASSESSMENT

On September 28, 2021, Etech conducted an initial site assessment. During the initial site assessment, three (3) test trenches (TT-1, TT-2, and TT-3) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. During the advancement of the test trenches, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, a total of six (6) delineation soil samples (TT 1 @ Surf., TT 1 @ 1', TT 2 @ Surf., TT 2 @ 1', TT 3 @ Surf., and TT 3 @ 3') were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined, and soil was not affected above the NMOCD Closure Criteria beyond one (1) foot below ground surface (bgs) in the areas characterized by test trenches TT-1 and TT-2 or beyond three (3) feet bgs in the area characterized by test trench TT-3.

The locations of the test trenches are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the release site are provided in Appendix D. Laboratory analytical reports are provided in Appendix D.

## 5.0 REMEDIATION ACTIVITIES SUMMARY

On October 26, 2021, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and 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 sidewalls and floor 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 NMOCD Reclamation Standards.

On October 29, 2021, Etech collected 12 confirmation soil samples (NW1, NW2, EW1, EW2, SW1, SW2, SW3, and FL1 @ 6.5' through FL5 @ 8') from the sidewalls and floor 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 TPH concentrations were below both the applicable NMOCD Closure Criteria and the laboratory method detection limit (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 48.0 mg/kg in soil samples EW1, SW1, SW3, and FL1 @ 6.5' to 848 mg/kg in soil sample FL4 @ 3'.

On November 4, 2021, based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL4 @ 3'. Etech also collected 14 confirmation soil samples (EW3, SW4, SW5, SW6, SW7, WW1, WW2, FL4 @ 4', and FL6 @ 7.5' through FL11 @ 2') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 32.0 mg/kg in soil samples EW3, FL7 @ 8.5', and FL9 @ 7.5' to 432 mg/kg in soil sample FL6 @ 7.5'.

On November 17, 2021, Etech collected 20 confirmation soil samples (NW3, EW4, EW5, EW6, FL12 @ 3.5' through FL14 @ 12.5', FL14 @ NW, FL14 @ EW, FL15 @ 16', FL16 @ 16', FL16 @ NW, FL16 @ WW, and FL17 @ 2.5' through FL23 @ 2.5') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 32.0 mg/kg in soil samples EW3, FL7 @ 8.5', and FL9 @ 7.5' to 432 mg/kg in soil sample FL6 @ 7.5'.

On November 18, 2021, Etech collected seven (7) confirmation soil samples (FL24 @ 1.5' through FL30 @ 1') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 48.0 mg/kg in soil sample FL24 @ 1.5' to 288 mg/kg in soil sample FL30 @ 1'.

On November 19, 2021, Etech collected 13 confirmation soil samples (NW4, WW3, WW4, WW5, and FL31 @ 4' through FL39 @ 1') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL in each of the submitted soil samples, with the exception of soil sample NW4, which exhibited a TPH concentration of 58.1 mg/kg. Chloride concentrations ranged from 48.0 mg/kg in soil sample FL38 @ 3.5' to 256 mg/kg in soil sample NW4.

On December 1, 2021, Etech collected 12 confirmation soil samples (NW5, NW6, NW7, NW9, EW7, EW8, and FL40 @ 1' through FL45 @ 3.5') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX concentrations were also below the laboratory MDL in each of the submitted soil samples. TPH concentrations ranged from less than the laboratory MDL in soil samples NW6, NW7, EW7, EW8, FL40 @ 1', FL41 @ 1', FL43 @ 1', FL44 @ 1', and FL45 @ 3.5' to 122 mg/kg in soil sample NW5. Chloride concentrations ranged from 32.0 mg/kg in soil sample EW7 to 496 mg/kg in soil sample FL42 @ 1'.

On December 1, 2021, based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample NW5. Etech collected one (1) confirmation soil sample (NW5A) from the sidewall of the newly excavated area. The soil sample was submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated the TPH concentration was 50.1 mg/kg and below the NMOCD Closure Criterion.

The final dimensions of the excavated area were approximately 200 to 215 feet in length, 48 to 142 feet in width, and one (1) to 16 feet in depth. During the course of remediation activities, approximately 7,014 cubic yards of impacted soil were transported to an NMOCD-permitted surface waste facility for disposal. Approximately 7,044 cubic yards of locally sourced, non-impacted material were 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. General photographs of the release site are provided in Appendix C. Laboratory analytical reports 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 of the production pad was contoured and compacted to facilitate rebuilding of the tank battery facility and containment area. The affected area in the adjacent pasture was contoured and compacted to achieve erosion control, stability, and preservation 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 NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and 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 NMOCD Reclamation Standards.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Mewbourne Oil Company, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Slider 18 release 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 Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

## 9.0 DISTRIBUTION

***Mewbourne Oil Company***

*4801 Business Park Blvd.  
Hobbs, NM 88240*

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

*Oil Conservation Division, District 2  
811 S. First Street  
Artesia, NM 88210*

***Hobbs Field Office***

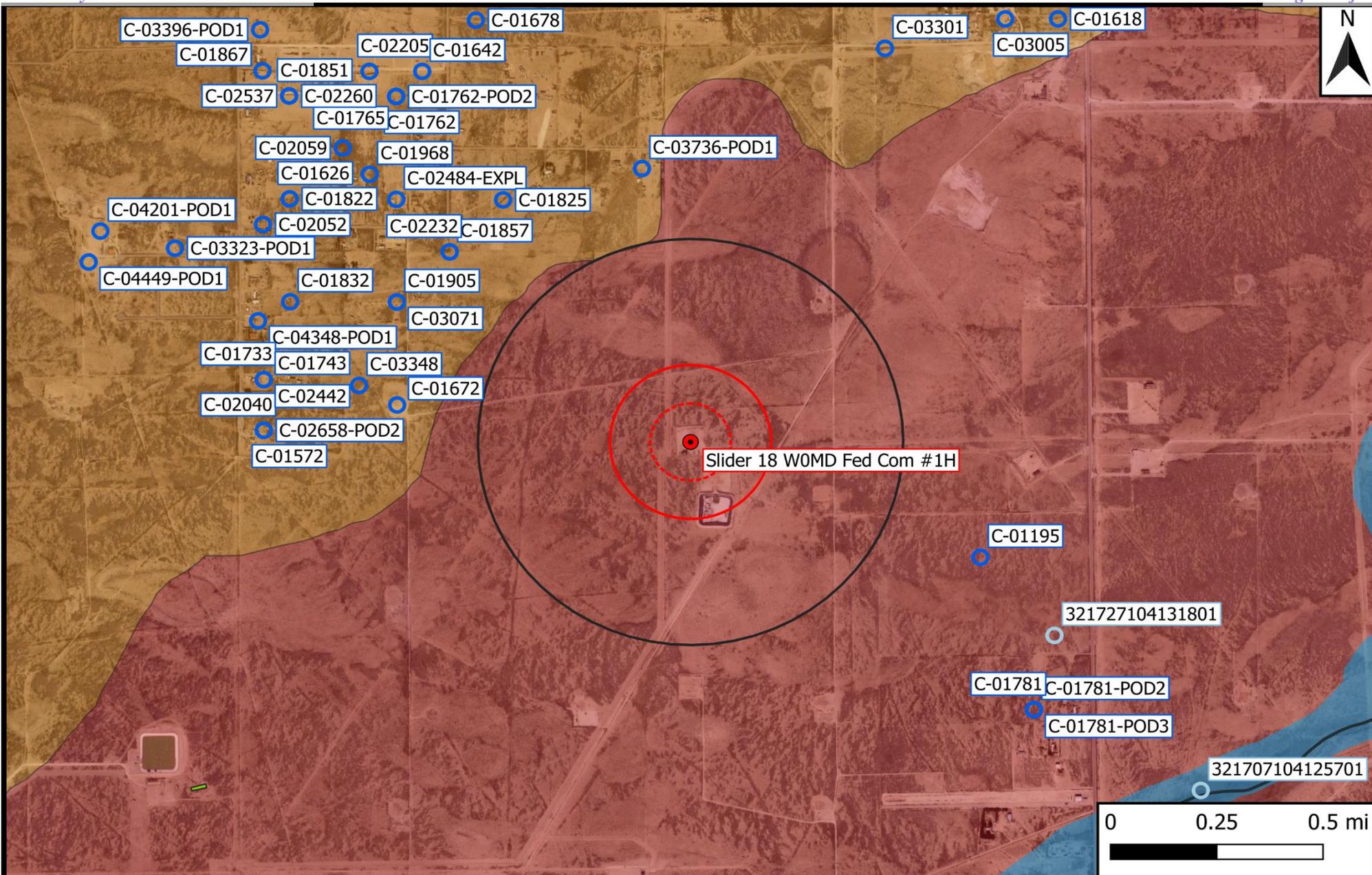
*New Mexico State Land Office  
2827 North Dal Paso Street  
Suite 117  
Hobbs, NM 88240*

*(Electronic Submission)*

# Figure 1 Topographic Map



## Figure 2 Aerial Proximity Map



| Legend |                            |  |
|--------|----------------------------|--|
|        | Site Location              |  |
|        | Well - NMOSE               |  |
|        | Well - USGS                |  |
|        | Well - Exploratory/Monitor |  |
|        | Potash Mine Workings       |  |
|        | 1% Annual Flood Chance     |  |
|        | Emergent/Forested Wetlands |  |
|        | Freshwater Pond/Lake       |  |
|        | Medium/High Karst          |  |
|        | Riverine                   |  |

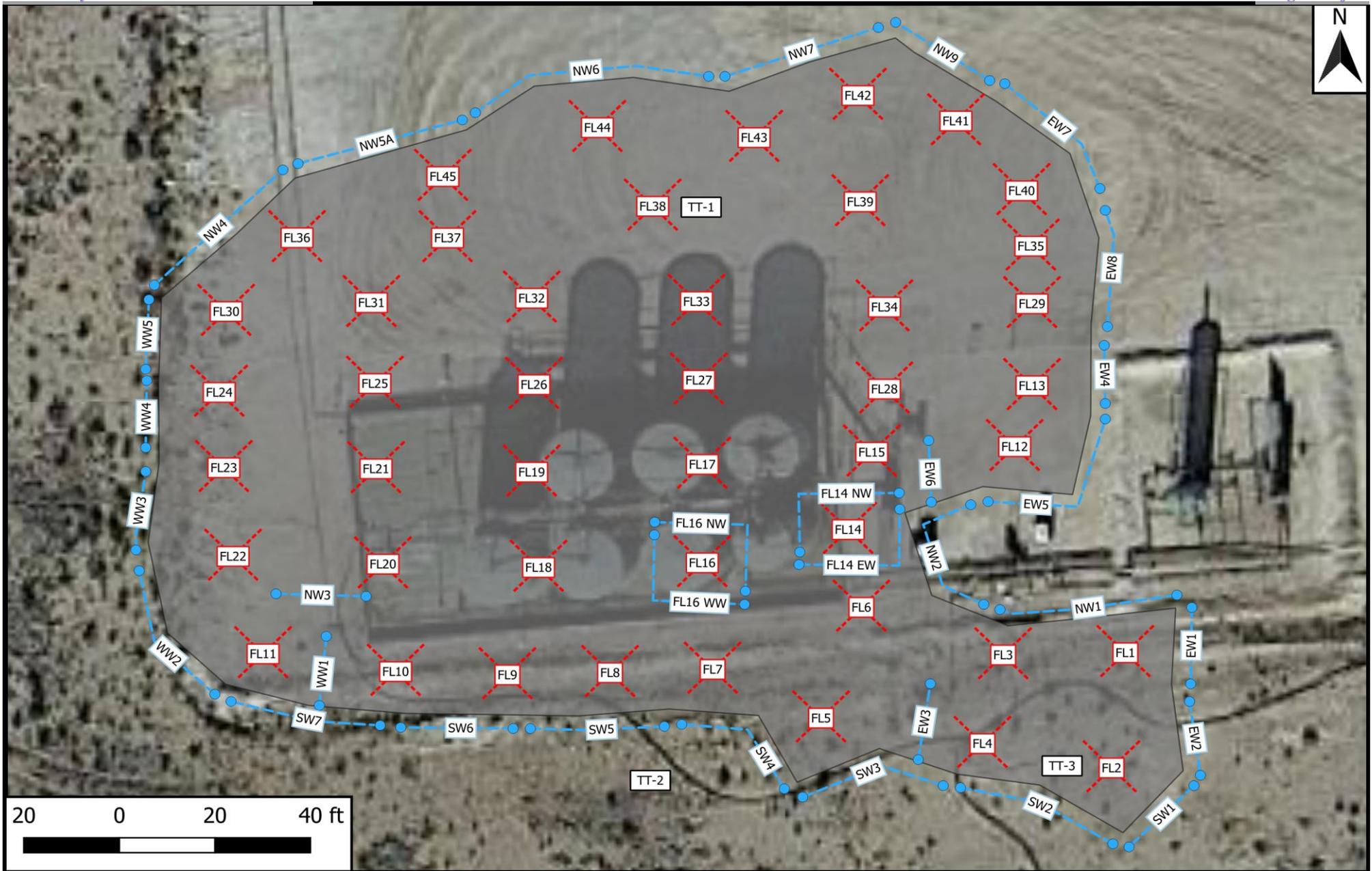
**Figure 2**  
 Aerial Proximity Map  
 Mewbourne Oil Company  
 Slider 18 W0MD Fed Com #1H  
 GPS: 32.297924, -104.236742  
 Eddy County

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

Drafted: bja    Checked: jwl    Date: 12/20/21

## **Figure 3**

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



**Legend**

- Excavation
- Composite Floor Sample
- Composite Wall Sample
- Test Trench

**Figure 3**  
 Site & Sample Location Map  
 Mewbourne Oil Company  
 Slider 18 W0MD Fed Com #1H  
 GPS: 32.297924, -104.236742  
 Eddy County

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

Revised: bja    Checked: jwl    Date: 12/30/21

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

| Table 1<br>Concentrations of BTEX, TPH & Chloride in Soil<br>Mewbourne Oil Company<br>Slider 18 W0MD Fed Com #1H<br>NMOCD Ref. #: nAPP2125031738 |            |              |             |                 |              |   |  |   |  |   |                  |
|--|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Closure Criteria   |            |              |             | 10              | 50           | -   | -  | -   | -  | 100   | 600              |
| NMOCD Reclamation Standard   |            |              |             | 10              | 50           | -   | -  | -   | -  | 100   | 600              |
| Sample ID  | Date       | Depth (Feet) | Soil Status | SW 846 8021B    |              | SW 846 8015M Ext.                           |  |   |  |   | 4500 Cl          |
|  |            |              |             | Benzene (mg/kg) | BTEX (mg/kg) | GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg) | DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg) | GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg) | ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg) | TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg) | Chloride (mg/kg) |
| <b>Delineation Samples</b>   |            |              |             |                 |              |   |  |   |  |   |                  |
| TT 1 @ Surf.   | 9/28/2021  | 0            | Excavated   | <0.050          | <0.300       | <10.0                                       | 252  | 252   | 165  | 417   | 2,040            |
| TT 1 @ 1'  | 9/28/2021  | 1            | Excavated   | -               | -            | <10.0                                       | 57.1   | 57.1  | 37.0   | 94.1  | 400              |
| TT 2 @ Surf.   | 9/28/2021  | 0            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 32.0             |
| TT 2 @ 1'  | 9/28/2021  | 1            | In-Situ     | -               | -            | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 32.0             |
| TT 3 @ Surf.   | 9/28/2021  | 0            | Excavated   | <0.050          | <0.300       | <10.0                                       | 16.0   | 16.0  | <10.0  | 16.0  | 14,800           |
| TT 3 @ 3'  | 9/28/2021  | 3            | In-Situ     | -               | -            | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 160              |
| <b>Excavation Samples</b>  |            |              |             |                 |              |   |  |   |  |   |                  |
| NW1  | 10/29/2021 | 0-6.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 144              |
| NW2  | 10/29/2021 | 0-7.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 112              |
| NW3  | 11/17/2021 | 0-8          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 304              |
| NW4  | 11/19/2021 | 0-1          | In-Situ     | <0.050          | <0.300       | <10.0                                       | 38.7   | 38.7  | 19.4   | 58.1  | 256              |
| NW5  | 12/1/2021  | 0-3.5        | Excavated   | <0.050          | <0.300       | <10.0                                       | 72.2   | 72.2  | 49.3   | 122   | 336              |
| NW5A   | 12/7/2021  | 0-3.5        | In-Situ     | -               | -            | <10.0                                       | 36.6   | 36.6  | 13.5   | 50.1  | -                |
| NW6  | 12/1/2021  | 0-1          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 320              |
| NW7  | 12/1/2021  | 0-1          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 160              |
| NW9  | 12/1/2021  | 0-1          | In-Situ     | <0.050          | <0.300       | <10.0                                       | 13.6   | 13.6  | <10.0  | 13.6  | 432              |
| EW1  | 10/29/2021 | 0-6.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| EW2  | 10/29/2021 | 0-3          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 96.0             |
| EW3  | 11/4/2021  | 0-8          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 32.0             |
| EW4  | 11/17/2021 | 0-3          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 352              |
| EW5  | 11/17/2021 | 0-3.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 144              |
| EW6  | 11/17/2021 | 0-16         | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| EW7  | 12/1/2021  | 0-1          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 32.0             |
| EW8  | 12/1/2021  | 0-1.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 208              |
| SW1  | 10/29/2021 | 0-3          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| SW2  | 10/29/2021 | 0-4          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 144              |
| SW3  | 10/29/2021 | 0-8          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| SW4  | 11/4/2021  | 0-8.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 112              |
| SW5  | 11/4/2021  | 0-8.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| SW6  | 11/4/2021  | 0-8          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 352              |
| SW7  | 11/4/2021  | 0-8          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 192              |
| WW1  | 11/4/2021  | 0-8          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 176              |
| WW2  | 11/4/2021  | 0-2          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| WW3  | 11/19/2021 | 0-2.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 240              |
| WW4  | 11/19/2021 | 0-2.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 208              |
| WW5  | 11/19/2021 | 0-1.5        | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 96.0             |
| FL1 @ 6.5'   | 10/29/2021 | 6.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| FL2 @ 3'   | 10/29/2021 | 3            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 96.0             |
| FL3 @ 3'   | 10/29/2021 | 3            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 112              |
| FL4 @ 3'   | 10/29/2021 | 3            | Excavated   | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 848              |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

| Table 1<br>Concentrations of BTEX, TPH & Chloride in Soil<br>Mewbourne Oil Company<br>Slider 18 W0MD Fed Com #1H<br>NMOCD Ref. #: nAPP2125031738 |            |              |             |                 |              |   |  |   |  |   |                  |
|--|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Closure Criteria   |            |              |             | 10              | 50           | -   | -  | -   | -  | 100   | 600              |
| NMOCD Reclamation Standard   |            |              |             | 10              | 50           | -   | -  | -   | -  | 100   | 600              |
| Sample ID  | Date       | Depth (Feet) | Soil Status | SW 846 8021B    |              | SW 846 8015M Ext.                           |  |   |  |   | 4500 Cl          |
|  |            |              |             | Benzene (mg/kg) | BTEX (mg/kg) | GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg) | DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg) | GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg) | ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg) | TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg) | Chloride (mg/kg) |
| FL4 @ 4'   | 11/4/2021  | 4            | In-Situ     | -               | -            | -   | -  | -   | -  | -   | 80.0             |
| FL5 @ 8'   | 10/29/2021 | 8            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 144              |
| FL6 @ 7.5'   | 11/4/2021  | 7.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 432              |
| FL7 @ 8.5'   | 11/4/2021  | 8.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 32.0             |
| FL8 @ 8.5'   | 11/4/2021  | 8.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 64.0             |
| FL9 @ 7.5'   | 11/4/2021  | 7.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 32.0             |
| FL10 @ 8'  | 11/4/2021  | 8            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 80.0             |
| FL11 @ 2'  | 11/4/2021  | 2            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 160              |
| FL12 @ 3.5'  | 11/17/2021 | 3.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 128              |
| FL13 @ 3'  | 11/17/2021 | 3            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 144              |
| FL14 @ 12.5'   | 11/17/2021 | 12.5         | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| FL14 @ NW  | 11/17/2021 | 12.5         | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 80.0             |
| FL14 @ EW  | 11/17/2021 | 12.5         | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 112              |
| FL15 @ 16'   | 11/17/2021 | 16           | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 64.0             |
| FL16 @ 16'   | 11/17/2021 | 16           | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 224              |
| FL16 @ NW  | 11/17/2021 | 16           | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 112              |
| FL16 @ WW  | 11/17/2021 | 16           | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 32.0             |
| FL17 @ 2.5'  | 11/17/2021 | 2.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 208              |
| FL18 @ 4'  | 11/17/2021 | 4            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 176              |
| FL19 @ 3'  | 11/17/2021 | 3            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 544              |
| FL20 @ 8'  | 11/17/2021 | 8            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 112              |
| FL21 @ 5'  | 11/17/2021 | 5            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 80.0             |
| FL22 @ 2'  | 11/17/2021 | 2            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 208              |
| FL23 @ 2.5'  | 11/17/2021 | 2.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 64.0             |
| FL24 @ 1.5'  | 11/18/2021 | 1.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| FL25 @ 2.5'  | 11/18/2021 | 2.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 160              |
| FL26 @ 2.5'  | 11/18/2021 | 2.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 96.0             |
| FL27 @ 2.5'  | 11/18/2021 | 2.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 128              |
| FL28 @ 2'  | 11/18/2021 | 2            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 64.0             |
| FL29 @ 1.5'  | 11/18/2021 | 1.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 96.0             |
| FL30 @ 1'  | 11/18/2021 | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 288              |
| FL31 @ 4'  | 11/19/2021 | 4            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 80.0             |
| FL32 @ 1.5'  | 11/19/2021 | 1.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 80.0             |
| FL33 @ 1.5'  | 11/19/2021 | 1.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 96.0             |
| FL34 @ 1'  | 11/19/2021 | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 224              |
| FL35 @ 1'  | 11/19/2021 | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 112              |
| FL36 @ 1'  | 11/19/2021 | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 96.0             |
| FL37 @ 3.5'  | 11/19/2021 | 3.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 64.0             |
| FL38 @ 3.5'  | 11/19/2021 | 3.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 48.0             |
| FL39 @ 1'  | 11/19/2021 | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 224              |
| FL40 @ 1'  | 12/1/2021  | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 192              |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

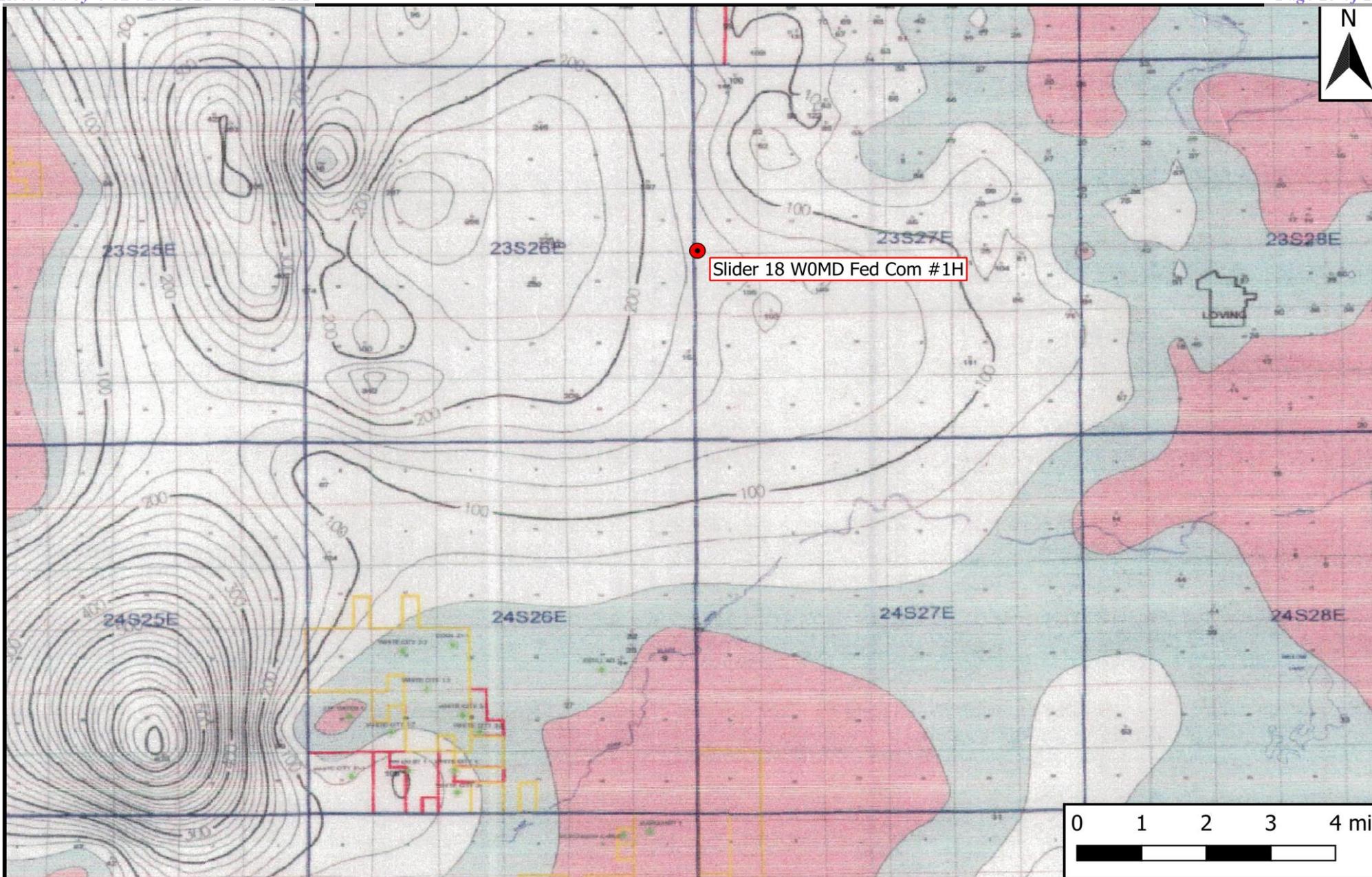
| <b>Table 1</b><br><b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b><br><b>Mewbourne Oil Company</b><br><b>Slider 18 W0MD Fed Com #1H</b><br><b>NMOCD Ref. #: nAPP2125031738</b> |           |              |             |                 |              |   |  |   |  |   |                  |
|---|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Closure Criteria  |           |              |             | 10              | 50           | -   | -  | -   | -  | 100   | 600              |
| NMOCD Reclamation Standard  |           |              |             | 10              | 50           | -   | -  | -   | -  | 100   | 600              |
| Sample ID   | Date      | Depth (Feet) | Soil Status | SW 846 8021B    |              | SW 846 8015M Ext.                           |  |   |  |   | 4500 Cl          |
|   |           |              |             | Benzene (mg/kg) | BTEX (mg/kg) | GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg) | DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg) | GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg) | ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg) | TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg) | Chloride (mg/kg) |
| FL41 @ 1'   | 12/1/2021 | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 288              |
| FL42 @ 1'   | 12/1/2021 | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | 36.2   | 36.2  | 17.9   | 54.1  | 496              |
| FL43 @ 1'   | 12/1/2021 | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 208              |
| FL44 @ 1'   | 12/1/2021 | 1            | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 80.0             |
| FL45 @ 3.5'   | 12/1/2021 | 3.5          | In-Situ     | <0.050          | <0.300       | <10.0                                       | <10.0  | <20.0   | <10.0  | <30.0                                       | 160              |

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  
 Mewbourne Oil Company  
 Slider 18 W0MD Fed Com #1H  
 GPS: 32.297924, -104.236742  
 Eddy County



Drafted: bja      Checked: jwl      Date: 12/20/21



# 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                   | POD Code | Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws    | Rng      | X        | Y        | Distance | DepthWell | DepthWater | Water Column |
|------------------------------|----------|-----------|--------|------|------|-----|-----|--------|----------|----------|----------|----------|-----------|------------|--------------|
| <a href="#">C_03736 POD1</a> | C        | ED        |        | 2    | 2    | 4   | 13  | 23S    | 26E      | 571677   | 3574793  | 1094     |           |            |              |
| <a href="#">C_01672</a>      | C        | ED        |        | 4    | 3    | 13  | 23S | 26E    | 570750   | 3573861* |          | 1120     | 280       | 80         | 200          |
| <a href="#">C_01857</a>      | C        | ED        |        |      |      | 13  | 23S | 26E    | 570949   | 3574465* |          | 1180     | 255       | 197        | 58           |
| <a href="#">C_02232</a>      | C        | ED        |        |      |      | 13  | 23S | 26E    | 570949   | 3574465* |          | 1180     | 240       | 200        | 40           |
| <a href="#">C_01195</a>      | C        | ED        |        | 2    | 19   | 23S | 27E | 572958 | 3573260* |          |          | 1187     | 180       | 100        | 80           |
| <a href="#">C_01825</a>      | C        | ED        |        | 3    | 2    | 13  | 23S | 26E    | 571151   | 3574670* |          | 1189     | 243       | 221        | 22           |
| <a href="#">C_01905</a>      | C        | ED        |        | 2    | 3    | 13  | 23S | 26E    | 570749   | 3574267* |          | 1241     | 300       |            |              |
| <a href="#">C_03071</a>      | C        | ED        |        | 2    | 3    | 13  | 23S | 26E    | 570749   | 3574267* |          | 1241     | 250       | 204        | 46           |
| <a href="#">C_03348</a>      | C        | ED        |        | 1    | 3    | 3   | 13  | 23S    | 26E      | 570606   | 3573938  | 1274     | 240       | 200        | 40           |
| <a href="#">C_02484 EXPL</a> | CUB      | ED        |        | 4    | 1    | 13  | 23S | 26E    | 570747   | 3574672* |          | 1468     | 280       | 175        | 105          |
| <a href="#">C_01968</a>      | C        | ED        |        | 1    | 4    | 1   | 13  | 23S    | 26E      | 570646   | 3574771* | 1609     | 247       | 200        | 47           |

Average Depth to Water: **175 feet**  
 Minimum Depth: **80 feet**  
 Maximum Depth: **221 feet**

**Record Count:** 11

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

**Easting (X):** 571860.63

**Northing (Y):** 3573714.86

**Radius:** 1610

\*UTM location was derived from PLSS - see Help

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WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

|                 |                   |                                    |            |           |            |           |            |                       |          |
|-----------------|-------------------|------------------------------------|------------|-----------|------------|-----------|------------|-----------------------|----------|
|                 |                   | (quarters are 1=NW 2=NE 3=SW 4=SE) |            |           |            |           |            |                       |          |
|                 |                   | (quarters are smallest to largest) |            |           |            |           |            | (NAD83 UTM in meters) |          |
| <b>Well Tag</b> | <b>POD Number</b> | <b>Q64</b>                         | <b>Q16</b> | <b>Q4</b> | <b>Sec</b> | <b>Tw</b> | <b>Rng</b> | <b>X</b>              | <b>Y</b> |
| C               | 01672             | 4                                  | 3          | 13        | 23S        | 26E       | 570750     | 3573861*              |          |

|                                     |   |                             |
|-------------------------------------|---|-----------------------------|
| <b>Driller License:</b> 259         | <b>Driller Company:</b> SIDES BROTHERS DRILLING |                             |
| <b>Driller Name:</b> SIDES, BOYD    |   |                             |
| <b>Drill Start Date:</b> 06/06/1976 | <b>Drill Finish Date:</b> 06/25/1976            | <b>Plug Date:</b>           |
| <b>Log File Date:</b> 07/15/1976    | <b>PCW Rev Date:</b>                            | <b>Source:</b> Shallow      |
| <b>Pump Type:</b>                   | <b>Pipe Discharge Size:</b>                     | <b>Estimated Yield:</b>     |
| <b>Casing Size:</b> 6.00            | <b>Depth Well:</b> 280 feet                     | <b>Depth Water:</b> 80 feet |

| Water Bearing Stratifications: | Top | Bottom | Description                   |
|--------------------------------|-----|--------|-------------------------------|
|                                | 240 | 260    | Sandstone/Gravel/Conglomerate |
|                                | 270 | 280    | Sandstone/Gravel/Conglomerate |

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
|                      | 98  | 120    |

\*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

|                 |                   |            |            |           |            |           |            |          |          |
|-----------------|-------------------|------------|------------|-----------|------------|-----------|------------|----------|----------|
| <b>Well Tag</b> | <b>POD Number</b> | <b>Q64</b> | <b>Q16</b> | <b>Q4</b> | <b>Sec</b> | <b>Tw</b> | <b>Rng</b> | <b>X</b> | <b>Y</b> |
| C               | 01857             |            |            |           | 13         | 23S       | 26E        | 570949   | 3574465* |

|   |  |                                |
|---|--|--------------------------------|
| <b>Driller License:</b> 817             | <b>Driller Company:</b> WEST, BILLY GEORGE |                                |
| <b>Driller Name:</b> WEST, BILLY GEORGE |  |                                |
| <b>Drill Start Date:</b> 08/08/1979     | <b>Drill Finish Date:</b> 10/02/1979       | <b>Plug Date:</b>              |
| <b>Log File Date:</b> 10/05/1979        | <b>PCW Rev Date:</b>                       | <b>Source:</b> Shallow         |
| <b>Pump Type:</b>                       | <b>Pipe Discharge Size:</b>                | <b>Estimated Yield:</b> 12 GPM |
| <b>Casing Size:</b> 5.00                | <b>Depth Well:</b> 255 feet                | <b>Depth Water:</b> 197 feet   |

|                                       |            |               |                               |
|---------------------------------------|------------|---------------|-------------------------------|
| <b>Water Bearing Stratifications:</b> | <b>Top</b> | <b>Bottom</b> | <b>Description</b>            |
|                                       | 215        | 255           | Sandstone/Gravel/Conglomerate |

|                             |            |               |  |
|-----------------------------|------------|---------------|--|
| <b>Casing Perforations:</b> | <b>Top</b> | <b>Bottom</b> |  |
|                             | 205        | 245           |  |

\*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

|                 |                   |            |            |           |            |            |            |          |          |
|-----------------|-------------------|------------|------------|-----------|------------|------------|------------|----------|----------|
| <b>Well Tag</b> | <b>POD Number</b> | <b>Q64</b> | <b>Q16</b> | <b>Q4</b> | <b>Sec</b> | <b>Tws</b> | <b>Rng</b> | <b>X</b> | <b>Y</b> |
| C               | 02232             |            |            |           | 13         | 23S        | 26E        | 570949   | 3574465* |

|                                      |  |                              |
|--------------------------------------|--|------------------------------|
| <b>Driller License:</b> 604          | <b>Driller Company:</b> TAYLOR, W.H. SR. |                              |
| <b>Driller Name:</b> W.H. TAYLOR SR. |  |                              |
| <b>Drill Start Date:</b> 09/05/1991  | <b>Drill Finish Date:</b> 11/22/1991     | <b>Plug Date:</b>            |
| <b>Log File Date:</b> 12/02/1991     | <b>PCW Rev Date:</b>                     | <b>Source:</b> Shallow       |
| <b>Pump Type:</b>                    | <b>Pipe Discharge Size:</b>              | <b>Estimated Yield:</b>      |
| <b>Casing Size:</b>                  | <b>Depth Well:</b> 240 feet              | <b>Depth Water:</b> 200 feet |

| Water Bearing Stratifications: | Top | Bottom | Description                   |
|--------------------------------|-----|--------|-------------------------------|
|                                | 221 | 228    | Sandstone/Gravel/Conglomerate |

\*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

| Well Tag | POD Number | (quarters are 1=NW 2=NE 3=SW 4=SE) |     |    |     | (NAD83 UTM in meters) |     |        |         |
|----------|------------|------------------------------------|-----|----|-----|-----------------------|-----|--------|---------|
|          |            | Q64                                | Q16 | Q4 | Sec | Tws                   | Rng | X      | Y       |
| C        | 03736 POD1 | 2                                  | 2   | 4  | 13  | 23S                   | 26E | 571677 | 3574793 |

|                                     |  |                         |
|-------------------------------------|--|-------------------------|
| <b>Driller License:</b> 1632        | <b>Driller Company:</b> HOPPER PUMP & DRILLING, INC. |                         |
| <b>Driller Name:</b> CALEB CURRY    |  |                         |
| <b>Drill Start Date:</b> 07/17/2014 | <b>Drill Finish Date:</b> 07/22/2014                 | <b>Plug Date:</b>       |
| <b>Log File Date:</b> 07/31/2014    | <b>PCW Rcv Date:</b>                                 | <b>Source:</b>          |
| <b>Pump Type:</b>                   | <b>Pipe Discharge Size:</b>                          | <b>Estimated Yield:</b> |
| <b>Casing Size:</b>                 | <b>Depth Well:</b>                                   | <b>Depth Water:</b>     |

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POINT OF DIVERSION SUMMARY



- Legend**
- Site Location
  - Well - USGS
  - 500-Ft Radius
  - 1,000-Ft Radius
  - 0.5-Mi Radius

**Figure 5**  
 USGS Well Proximity Map  
 Mewbourne Oil Company  
 Slider 18 W0MD Fed Com #1H  
 GPS: 32.297924, -104.236742  
 Eddy County



Drafted: bja      Checked: jwl      Date: 12/20/21



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Agency code = usgs  
 site\_no list = 

- 321727104131801

Minimum number of levels = 1  
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**USGS 321727104131801 23S.27E.19.421232**

Eddy County, New Mexico  
 Latitude 32°17'27", Longitude 104°13'18" NAD27  
 Land-surface elevation 3,190 feet above NAVD88  
 The depth of the well is 180 feet below land surface.  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats**

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

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>measurement | ?<br>Water-level<br>approval<br>status |
|------------|------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| 1966-01-05 |      |   | D                      | 72019   | 155.11  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1967-01-19 |      |   | D                      | 72019   | 155.28  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1968-01-26 |      |   | D                      | 72019   | 155.16  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1969-01-28 |      |   | D                      | 72019   | 154.66  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1970-01-20 |      |   | D                      | 72019   | 155.82  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1974-01-22 |      |   | D                      | 72019   | 156.62  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1975-01-29 |      |   | D                      | 72019   | 156.09  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1976-01-13 |      |   | D                      | 72019   | 155.14  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1977-02-01 |      |   | D                      | 72019   | 155.40  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1978-01-23 |      |   | D                      | 72019   | 155.40  |                                 |             | 1                             | Z                        |                               | A                                      |
| 1983-01-25 |      |   | D                      | 72019   | 155.65  |                                 |             | 1                             | Z                        |                               | A                                      |

| Date       | Time      | ?<br>Water-level date-time accuracy | ?<br>Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ?<br>Status | ?<br>Method of measurement | ?<br>Measuring agency | ?<br>Source of measurement | ?<br>Water-level approval status |   |
|------------|-----------|-------------------------------------|---------------------|--------------------------------------|---|---------------------------|-------------|----------------------------|-----------------------|----------------------------|----------------------------------|---|
| 1988-03-16 |           |                                     | D                   | 72019                                | 153.90  |                           |             | 1                          | Z                     |                            | A                                |   |
| 1993-05-04 |           |                                     | D                   | 72019                                | 156.75  |                           |             | 1                          | S                     |                            | A                                |   |
| 1995-07-18 |           |                                     | D                   | 72019                                | 156.08  |                           |             | 1                          | S                     |                            | A                                |   |
| 1996-01-23 |           |                                     | D                   | 72019                                | 155.55  |                           |             | 1                          | S                     |                            | A                                |   |
| 1998-01-14 |           |                                     | D                   | 72019                                | 155.68  |                           |             | 1                          | S                     |                            | A                                |   |
| 2003-01-24 |           |                                     | D                   | 72019                                | 160.73  |                           |             | 1                          | S                     | USGS                       | S                                | A |
| 2018-02-01 | 00:14 UTC |                                     | m                   | 72019                                | 133.22  |                           |             | 1                          | V                     | USGS                       | S                                | A |

Explanation

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

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0.35 0.27 nadww01





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**Agency code** = usgs

**site\_no list** =  
 • 321707104125701

**Minimum number of levels** = 1

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**USGS 321707104125701 23S.27E.20.33414**

Eddy County, New Mexico

Latitude 32°17'07", Longitude 104°12'57" NAD27

Land-surface elevation 3,178 feet above NAVD88

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

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

**Output formats**

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

| Date       | Time | ?<br>Water-level date-time accuracy | ?<br>Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ?<br>Status | ?<br>Method of measurement | ?<br>Measuring agency | ?<br>Source of measurement | ?<br>Water-level approval status |
|------------|------|-------------------------------------|---------------------|--------------------------------------|---|---------------------------|-------------|----------------------------|-----------------------|----------------------------|----------------------------------|
| 1948-12-22 |      |                                     | D                   | 72019                                | 103.00  |                           | 1           | Z                          |                       |                            | A                                |

Explanation

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

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0.45 0.27 nadww01





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Agency code = usgs  
 site\_no list =  
 • 321852104145201

Minimum number of levels = 1

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**USGS 321852104145201 23S.26E.12.34312**

Eddy County, New Mexico

Latitude 32°18'52", Longitude 104°14'52" NAD27

Land-surface elevation 3,245 feet above NAVD88

The depth of the well is 270 feet below land surface.

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

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

**Output formats**

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

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>measurement | ?<br>Water-<br>level<br>approval<br>status |
|------------|------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| 1954-01-26 |      |   | D                      | 72019   | 188.58  |                                 |             | 1                             | Z                        |                               | A  |
| 1955-01-14 |      |   | D                      | 72019   | 189.94  |                                 |             | 1                             | Z                        |                               | A  |
| 1956-01-10 |      |   | D                      | 72019   | 190.45  |                                 |             | 1                             | Z                        |                               | A  |
| 1957-01-10 |      |   | D                      | 72019   | 191.70  |                                 |             | 1                             | Z                        |                               | A  |
| 1958-01-13 |      |   | D                      | 72019   | 193.03  |                                 |             | 1                             | Z                        |                               | A  |
| 1960-01-12 |      |   | D                      | 72019   | 193.43  |                                 |             | 1                             | Z                        |                               | A  |
| 1961-01-10 |      |   | D                      | 72019   | 194.35  |                                 |             | 1                             | Z                        |                               | A  |

| Date       | Time | ?<br>Water-level date-time accuracy | ?<br>Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ?<br>Status | ?<br>Method of measurement | ?<br>Measuring agency | ?<br>Source of measurement | ?<br>Water-level approval status |
|------------|------|-------------------------------------|---------------------|--------------------------------------|---|---------------------------|-------------|----------------------------|-----------------------|----------------------------|----------------------------------|
| 1962-01-19 |      |                                     | D                   | 72019                                | 191.90  |                           |             | 1                          | Z                     |                            | A                                |
| 1963-01-16 |      |                                     | D                   | 72019                                | 196.03  |                           |             | 1                          | Z                     |                            | A                                |
| 1964-01-16 |      |                                     | D                   | 72019                                | 197.18  |                           |             | 1                          | Z                     |                            | A                                |
| 1965-01-14 |      |                                     | D                   | 72019                                | 198.75  |                           |             | 1                          | Z                     |                            | A                                |
| 1966-01-11 |      |                                     | D                   | 72019                                | 199.75  |                           |             | 1                          | Z                     |                            | A                                |
| 1978-01-05 |      |                                     | D                   | 72019                                | 199.70  |                           |             | 1                          | Z                     |                            | A                                |
| 1983-01-27 |      |                                     | D                   | 72019                                | 196.82  |                           |             | 1                          | Z                     |                            | A                                |

Explanation

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

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**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: 2021-12-28 19:08:52 EST

0.38 0.24 nadww01

## **Appendix B Field Data**





# Sample Log

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

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

| Sample ID                         | PID/Odor | Chloride Conc.             | GPS |
|-----------------------------------|----------|----------------------------|-----|
| PFS103' FL103'                    | -        | 620                        |     |
| PFS103 1/2' FL103 1/2'            | -        | 920                        |     |
| PFS203' FL203'                    | -        | 188                        |     |
| EW1                               | -        | 188                        |     |
| EW2                               | -        | <del>188</del> 136         |     |
| SW1                               | -        | 188                        |     |
| SW2                               | -        | 252                        |     |
| <del>PFS103 1/2'</del> FL106 1/2' | -        | 136                        |     |
| WFS101' FL                        | -        | 572                        |     |
| WFS201'                           | -        | 436                        |     |
| NW1                               | -        | 320                        |     |
| NW2                               | -        | 252                        |     |
| SW3                               | -        | <del>252</del> 160         |     |
| PFS303' FL303'                    | -        | 160                        |     |
| PFS403' FL403'                    | -        | 572                        |     |
| PFS503' FL503'                    | -        | 2604                       |     |
| PFS505' FL505'                    | -        | 7216                       |     |
| PFS603' FL603'/FL605'             | -        | 1668 3076 FL607' 444       |     |
| FL508'                            | -        | 188                        |     |
| SW4                               | -        | 1424 <del>200</del> 292    |     |
| FL703' F7705 1/2'                 | -        | 2220 1772                  |     |
| FL707 1/2'                        | -        | 964                        |     |
| FL507 1/2'                        | -        | 292                        |     |
| FL607 1/2'                        | -        | 540                        |     |
| EW3 <del>07 1/2'</del> EN3        | -        | 1140 840 228               |     |
| SW5                               | -        | 708 592 <del>500</del> 592 |     |
| <del>FL707 1/2'</del> FL707 1/2'  | -        | 1888                       |     |
| WW                                | -        | 708 1424                   |     |
| FL708' FL708 1/2'                 | -        | 648 200                    |     |
| FL803 1/2' FL808 1/2'             | -        | 1424 324                   |     |
| FL403                             | -        |                            |     |
| SW5                               | -        | 148                        |     |
| FL907'                            | -        | 200                        |     |
| FL1002 1/2' FL1008'               | -        | 1424 228                   |     |
| SW6                               | -        | 908 540                    |     |
| FL1102'                           | -        | 324                        |     |

Sample Point = SP #1 @ ## etc  
 Floor = FL #1 etc  
 Sidewall = SW #1 etc

Test Trench = TT #1 @ ##  
 Refusal = SP #1 @ 4'-R  
 Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b  
 Stockpile = Stockpile #1  
 GPS Sample Points, Center of Comp Areas



# Sample Log

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

Project: Slider 18 WOMD Fed Com 1H

Project Number: 14914 Latitude: 32.297924 Longitude: -104.236742

| Sample ID                             | PID/Odor | Chloride Conc. | GPS         |
|---------------------------------------|----------|----------------|-------------|
| SW7                                   | -        | 364            |             |
| WW2                                   | -        | 324            |             |
| FL12=3 1/2'                           | -        | 324            |             |
| FL13=3'                               | -        | 324            |             |
| TT=5' <sup>FL13</sup> <sub>FL13</sub> | -        | 984            |             |
| FL15=8' FL18=8 1/2'                   | -        | 592 772        |             |
| FL18=8 1/2' FL19=12 1/2'              | -        | 1888 492       |             |
| FL12=3'                               | -        | 492            |             |
| FL13=1'                               | -        | 228            |             |
| EW4                                   | -        | 540            |             |
| EW5                                   | -        | 272            |             |
| FL14=8'                               | mild     | 412            |             |
| EW6                                   | -        | 824 260        |             |
| FL14=12 1/2'                          | -        | 196            |             |
| FL15=11' FL15=7'                      | -        | 452 228        |             |
| FL17=2 1/2'                           | -        | 372            |             |
| FL14NW                                | -        | 116            |             |
| FL14EW                                | -        | 196            |             |
| FL14=12 1/2'                          | -        | 196            |             |
| FL16 NW                               | -        | 332            |             |
| FL16 WW                               | -        | 412            |             |
| FL16=16'                              | -        | 372            |             |
| FL18=3' FL18=4'                       | -        | 888 372        |             |
| FL19=3'                               | -        | 500            |             |
| FL20=3' FL20=4' FL20=5'               | -        | 848 824 1028   | FL20=8' 332 |
| FL21=3' FL21=5'                       | -        | 1816 196       |             |
| FL22=2'                               | -        | 296            |             |
| FL23=1 1/2' FL23=2 1/2'               | -        | 704 296        |             |
| FL24=1 1/2'                           | -        | 140            |             |
| FL25=2 1/2'                           | -        | 332            |             |
| FL26=2 1/2'                           | -        | 372            |             |
| FL27=2 1/2'                           | -        | 332            |             |
| FL28=2'                               | -        | 140            |             |
| FL29=1 1/2'                           | -        | 332            |             |
| FL30=1'                               | -        | 412            |             |
| WW5                                   | -        | 168            |             |

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: 1/3/2022 7:29:41 AM

Sample every 200 ft.

Released to Imaging: 2/8/2022 2:22:15 PM



# **Appendix C**

## **Photographic Log**

### Photographic Log

|   |   |
|---|---|
| <b>Photo Number:</b><br>1                                   |  <p>9/28/21, 8:56 AM<br/>+32.297804,-104.237001 ±14221.00m<br/>264° W</p> |
| <b>Photo Direction:</b><br>West                             |   |
| <b>Photo Description:</b><br><br>View of the affected area. |   |

|   |  |
|---|--|
| <b>Photo Number:</b><br>2                                   |  <p>9/28/21, 10:14 AM<br/>+32.297382,-104.236835 ±5.00m<br/>285° W</p> |
| <b>Photo Direction:</b><br>West                             |  |
| <b>Photo Description:</b><br><br>View of the affected area. |  |

### Photographic Log

|   |  |
|---|--|
| <b>Photo Number:</b><br>3                                   |  |
| <b>Photo Direction:</b><br>Northeast                        |  |
| <b>Photo Description:</b><br><br>View of the affected area. |  |

|  |  |
|--|--|
| <b>Photo Number:</b><br>4                                    |  |
| <b>Photo Direction:</b><br>Southeast                         |  |
| <b>Photo Description:</b><br><br>View of the excavated area. |  |

### Photographic Log

|  |  |
|--|--|
| <b>Photo Number:</b><br>5                                    |  |
| <b>Photo Direction:</b><br>South                             |  |
| <b>Photo Description:</b><br><br>View of the excavated area. |  |

|  |  |
|--|--|
| <b>Photo Number:</b><br>6                                    |  |
| <b>Photo Direction:</b><br>East                              |  |
| <b>Photo Description:</b><br><br>View of the excavated area. |  |

### Photographic Log

|  |   |
|--|---|
| <b>Photo Number:</b><br>7                                    |  <p>12/1/21, 10:50 AM<br/>+32,297576,-104,237085 ±10.00m<br/>111° E</p> |
| <b>Photo Direction:</b><br>East                              |   |
| <b>Photo Description:</b><br><br>View of the excavated area. |   |

|  |   |
|--|---|
| <b>Photo Number:</b><br>8                                    |  <p>12/1/21, 10:50 AM<br/>+32,297576,-104,237085 ±10.00m<br/>47° NE</p> |
| <b>Photo Direction:</b><br>Northeast                         |   |
| <b>Photo Description:</b><br><br>View of the excavated area. |   |

### Photographic Log

|  |  |
|--|--|
| <b>Photo Number:</b><br>9                                    |  <p>12/1/21, 10:55 AM<br/>+32.297342,-104.236608 ±5.00m<br/>278° W</p> |
| <b>Photo Direction:</b><br>West                              |  |
| <b>Photo Description:</b><br><br>View of the excavated area. |  |

|  |   |
|--|---|
| <b>Photo Number:</b><br>10   |  <p>17/12/2021 10:18<br/>+32.297709,-104.236539</p> |
| <b>Photo Direction:</b><br>South   |   |
| <b>Photo Description:</b><br><br>View of the remediated area after backfill and regrading. |   |

### Photographic Log

|  |   |
|--|---|
| <b>Photo Number:</b><br>11   |  <p>17/12/2021 10:19<br/>+32.297459,-104.236832</p> |
| <b>Photo Direction:</b><br>North   |   |
| <b>Photo Description:</b><br><br>View of the remediated area after backfill and regrading. |   |

|  |   |
|--|---|
| <b>Photo Number:</b><br>12   |  <p>17/12/2021 10:19<br/>+32.297459,-104.236832</p> |
| <b>Photo Direction:</b><br>Southeast   |   |
| <b>Photo Description:</b><br><br>View of the remediated area after backfill and regrading. |   |

# **Appendix D**

## **Laboratory Analytical Reports**



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

---

September 30, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SLIDER 18 W0MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 09/28/21 14:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 09/28/2021                | Sampling Date:      | 09/28/2021     |
| Reported:         | 09/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 WOMD FED COM 1H | Sampling Condition: | ** (See Notes) |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: TT 1 @ SURFACE (H212691-01)**

| 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           | 09/29/2021 | ND              | 1.78 | 89.0       | 2.00          | 8.12 |           |
| Toluene*       | <0.050 | 0.050           | 09/29/2021 | ND              | 1.94 | 96.8       | 2.00          | 7.07 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 09/29/2021 | ND              | 1.87 | 93.4       | 2.00          | 8.18 |           |
| Total Xylenes* | <0.150 | 0.150           | 09/29/2021 | ND              | 5.60 | 93.3       | 6.00          | 9.14 |           |
| Total BTEX     | <0.300 | 0.300           | 09/29/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2040   | 16.0            | 09/29/2021 | 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            | 09/29/2021 | ND              | 229 | 114        | 200           | 2.73 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>252</b> | 10.0            | 09/29/2021 | ND              | 226 | 113        | 200           | 2.75 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>165</b> | 10.0            | 09/29/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.1 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 09/28/2021                | Sampling Date:      | 09/28/2021     |
| Reported:         | 09/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | ** (See Notes) |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: TT 1 @ 1' (H212691-02)**

| 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           | 09/29/2021 | ND              | 1.78 | 89.0       | 2.00          | 8.12 |           |
| Toluene*       | <0.050 | 0.050           | 09/29/2021 | ND              | 1.94 | 96.8       | 2.00          | 7.07 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 09/29/2021 | ND              | 1.87 | 93.4       | 2.00          | 8.18 |           |
| Total Xylenes* | <0.150 | 0.150           | 09/29/2021 | ND              | 5.60 | 93.3       | 6.00          | 9.14 |           |
| Total BTEX     | <0.300 | 0.300           | 09/29/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>400</b> | 16.0            | 09/29/2021 | 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            | 09/29/2021 | ND              | 229 | 114        | 200           | 2.73 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>57.1</b> | 10.0            | 09/29/2021 | ND              | 226 | 113        | 200           | 2.75 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>37.0</b> | 10.0            | 09/29/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.8 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 09/28/2021                | Sampling Date:      | 09/28/2021     |
| Reported:         | 09/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | ** (See Notes) |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: TT 2 @ SURFACE (H212691-03)**

| 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           | 09/29/2021 | ND              | 1.78 | 89.0       | 2.00          | 8.12 |           |
| Toluene*       | <0.050 | 0.050           | 09/29/2021 | ND              | 1.94 | 96.8       | 2.00          | 7.07 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 09/29/2021 | ND              | 1.87 | 93.4       | 2.00          | 8.18 |           |
| Total Xylenes* | <0.150 | 0.150           | 09/29/2021 | ND              | 5.60 | 93.3       | 6.00          | 9.14 |           |
| Total BTEX     | <0.300 | 0.300           | 09/29/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 09/29/2021 | 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            | 09/29/2021 | ND              | 229 | 114        | 200           | 2.73 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 09/29/2021 | ND              | 226 | 113        | 200           | 2.75 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 09/29/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 75.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.3 % 38.9-142

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**Analytical Results For:**

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 09/28/2021                | Sampling Date:      | 09/28/2021     |
| Reported:         | 09/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | ** (See Notes) |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: TT 2 @ 1' (H212691-04)**

| 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           | 09/29/2021 | ND              | 1.78 | 89.0       | 2.00          | 8.12 |           |
| Toluene*       | <0.050 | 0.050           | 09/29/2021 | ND              | 1.94 | 96.8       | 2.00          | 7.07 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 09/29/2021 | ND              | 1.87 | 93.4       | 2.00          | 8.18 |           |
| Total Xylenes* | <0.150 | 0.150           | 09/29/2021 | ND              | 5.60 | 93.3       | 6.00          | 9.14 |           |
| Total BTEX     | <0.300 | 0.300           | 09/29/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 09/29/2021 | 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            | 09/29/2021 | ND              | 229 | 114        | 200           | 2.73 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 09/29/2021 | ND              | 226 | 113        | 200           | 2.75 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 09/29/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.3 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 09/28/2021                | Sampling Date:      | 09/28/2021     |
| Reported:         | 09/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | ** (See Notes) |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: TT 3 @ SURFACE (H212691-05)**

| 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           | 09/29/2021 | ND              | 1.78 | 89.0       | 2.00          | 8.12 |           |
| Toluene*       | <0.050 | 0.050           | 09/29/2021 | ND              | 1.94 | 96.8       | 2.00          | 7.07 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 09/29/2021 | ND              | 1.87 | 93.4       | 2.00          | 8.18 |           |
| Total Xylenes* | <0.150 | 0.150           | 09/29/2021 | ND              | 5.60 | 93.3       | 6.00          | 9.14 |           |
| Total BTEX     | <0.300 | 0.300           | 09/29/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500Cl-B |              | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result       | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>14800</b> | 16.0            | 09/29/2021 | 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            | 09/29/2021 | ND              | 229 | 114        | 200           | 2.73 |           |
| <b>DRO &gt;C10-C28*</b> | <b>16.0</b> | 10.0            | 09/29/2021 | ND              | 226 | 113        | 200           | 2.75 |           |
| EXT DRO >C28-C36        | <10.0       | 10.0            | 09/29/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.7 % 38.9-142

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**Analytical Results For:**

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 09/28/2021                | Sampling Date:      | 09/28/2021     |
| Reported:         | 09/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | ** (See Notes) |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: TT 3 @ 3' (H212691-06)**

| 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           | 09/29/2021 | ND              | 1.78 | 89.0       | 2.00          | 8.12 |           |
| Toluene*       | <0.050 | 0.050           | 09/29/2021 | ND              | 1.94 | 96.8       | 2.00          | 7.07 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 09/29/2021 | ND              | 1.87 | 93.4       | 2.00          | 8.18 |           |
| Total Xylenes* | <0.150 | 0.150           | 09/29/2021 | ND              | 5.60 | 93.3       | 6.00          | 9.14 |           |
| Total BTEX     | <0.300 | 0.300           | 09/29/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 09/29/2021 | 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            | 09/29/2021 | ND              | 229 | 114        | 200           | 2.73 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 09/29/2021 | ND              | 226 | 113        | 200           | 2.75 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 09/29/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 76.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.7 % 38.9-142

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**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager





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November 03, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SLIDER 18 W0MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 10/29/21 16:15.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 WOMD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 1 @ 6.5' (H213066-01)**

| 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           | 11/01/2021 | ND              | 2.14 | 107        | 2.00          | 5.63 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2021 | ND              | 2.01 | 101        | 2.00          | 5.87 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2021 | ND              | 2.02 | 101        | 2.00          | 6.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2021 | ND              | 6.14 | 102        | 6.00          | 6.62 |           |
| Total BTEX     | <0.300 | 0.300           | 11/01/2021 | 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             | 48.0   | 16.0            | 11/02/2021 | 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            | 11/01/2021 | ND              | 197 | 98.7       | 200           | 9.12 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 215 | 108        | 200           | 2.28 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.7 % 38.9-142

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 2 @ 3' (H213066-02)**

| 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           | 11/01/2021 | ND              | 2.14 | 107        | 2.00          | 5.63 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2021 | ND              | 2.01 | 101        | 2.00          | 5.87 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2021 | ND              | 2.02 | 101        | 2.00          | 6.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2021 | ND              | 6.14 | 102        | 6.00          | 6.62 |           |
| Total BTEX     | <0.300 | 0.300           | 11/01/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 11/02/2021 | 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            | 11/01/2021 | ND              | 197 | 98.7       | 200           | 9.12 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 215 | 108        | 200           | 2.28 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.4 % 38.9-142

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\*=Accredited Analyte

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 3 @ 3' (H213066-03)**

| 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           | 11/01/2021 | ND              | 2.14 | 107        | 2.00          | 5.63 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2021 | ND              | 2.01 | 101        | 2.00          | 5.87 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2021 | ND              | 2.02 | 101        | 2.00          | 6.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2021 | ND              | 6.14 | 102        | 6.00          | 6.62 |           |
| Total BTEX     | <0.300 | 0.300           | 11/01/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 11/02/2021 | 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            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 72.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.4 % 38.9-142

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 4 @ 3' (H213066-04)**

| 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           | 11/01/2021 | ND              | 2.14 | 107        | 2.00          | 5.63 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2021 | ND              | 2.01 | 101        | 2.00          | 5.87 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2021 | ND              | 2.02 | 101        | 2.00          | 6.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2021 | ND              | 6.14 | 102        | 6.00          | 6.62 |           |
| Total BTEX     | <0.300 | 0.300           | 11/01/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>848</b> | 16.0            | 11/02/2021 | 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            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.0 % 38.9-142

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 5 @ 8' (H213066-05)**

| 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           | 11/01/2021 | ND              | 2.14 | 107        | 2.00          | 5.63 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2021 | ND              | 2.01 | 101        | 2.00          | 5.87 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2021 | ND              | 2.02 | 101        | 2.00          | 6.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2021 | ND              | 6.14 | 102        | 6.00          | 6.62 |           |
| Total BTEX     | <0.300 | 0.300           | 11/01/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 11/02/2021 | 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            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 76.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.0 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: NW 1 (H213066-06)**

| 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           | 11/01/2021 | ND              | 2.14 | 107        | 2.00          | 5.63 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2021 | ND              | 2.01 | 101        | 2.00          | 5.87 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2021 | ND              | 2.02 | 101        | 2.00          | 6.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2021 | ND              | 6.14 | 102        | 6.00          | 6.62 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/01/2021 | ND              |      |            |               |      |           |  |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 144    | 16.0            | 11/02/2021 | 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            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 77.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.6 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: NW 2 (H213066-07)**

| 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           | 11/01/2021 | ND              | 2.14 | 107        | 2.00          | 5.63 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2021 | ND              | 2.01 | 101        | 2.00          | 5.87 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2021 | ND              | 2.02 | 101        | 2.00          | 6.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2021 | ND              | 6.14 | 102        | 6.00          | 6.62 |           |
| Total BTEX     | <0.300 | 0.300           | 11/01/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 11/02/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.8 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: EW 1 (H213066-08)**

| 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           | 11/01/2021 | ND              | 2.14 | 107        | 2.00          | 5.63 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2021 | ND              | 2.01 | 101        | 2.00          | 5.87 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2021 | ND              | 2.02 | 101        | 2.00          | 6.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2021 | ND              | 6.14 | 102        | 6.00          | 6.62 |           |
| Total BTEX     | <0.300 | 0.300           | 11/01/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/02/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 73.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.0 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: EW 2 (H213066-09)**

| 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           | 11/02/2021 | ND              | 2.21 | 111        | 2.00          | 4.77 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/02/2021 | ND              | 2.09 | 105        | 2.00          | 4.48 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/02/2021 | ND              | 2.11 | 105        | 2.00          | 4.64 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/02/2021 | ND              | 6.46 | 108        | 6.00          | 3.52 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/02/2021 | ND              |      |            |               |      |           |  |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 11/02/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.7 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: SW 1 (H213066-10)**

| 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           | 11/02/2021 | ND              | 2.21 | 111        | 2.00          | 4.77 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/02/2021 | ND              | 2.09 | 105        | 2.00          | 4.48 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/02/2021 | ND              | 2.11 | 105        | 2.00          | 4.64 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/02/2021 | ND              | 6.46 | 108        | 6.00          | 3.52 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/02/2021 | ND              |      |            |               |      |           |  |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 11/02/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 66.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: SW 2 (H213066-11)**

| 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           | 11/02/2021 | ND              | 2.21 | 111        | 2.00          | 4.77 |           |
| Toluene*       | <0.050 | 0.050           | 11/02/2021 | ND              | 2.09 | 105        | 2.00          | 4.48 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/02/2021 | ND              | 2.11 | 105        | 2.00          | 4.64 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/02/2021 | ND              | 6.46 | 108        | 6.00          | 3.52 |           |
| Total BTEX     | <0.300 | 0.300           | 11/02/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 11/02/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 71.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 10/29/2021                | Sampling Date:      | 10/29/2021     |
| Reported:         | 11/03/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: SW 3 (H213066-12)**

| 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           | 11/02/2021 | ND              | 2.21 | 111        | 2.00          | 4.77 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/02/2021 | ND              | 2.09 | 105        | 2.00          | 4.48 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/02/2021 | ND              | 2.11 | 105        | 2.00          | 4.64 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/02/2021 | ND              | 6.46 | 108        | 6.00          | 3.52 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/02/2021 | ND              |      |            |               |      |           |  |

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

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>      | <b>48.0</b> | 16.0            | 11/02/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/01/2021 | ND              | 220 | 110        | 200           | 2.82 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2021 | ND              | 216 | 108        | 200           | 2.30 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 72.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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

No  
Rush

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

272

|   |  |                       |  |                             |             |   |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
|---|--|-----------------------|--|-----------------------------|-------------|---|------|---|--------|--|------------|--|---------|----------|------|---|---|---|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc.  |  |                       |  | <b>BILL TO</b>              |             |   |      | <b>ANALYSIS REQUEST</b>                 |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Project Manager: Lance Crenshaw   |  |                       |  | P.O. #:                     |             |   |      | Chloride<br>TPH (8015M)<br>BTEX (8021B) |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Address: P.O. Box 301   |  |                       |  | Company: Meubourne          |             |   |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| City: Lovington Hobbs   |  | State: NM             |  | Zip: <del>88260</del> 88240 |             | Attn: Robbie Russell  |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Phone #: (575) 396-2378   |  | Fax #: (575) 396-1429 |  | Address:                    |             |   |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Project #:  |  | Project Owner:        |  | City:                       |             |   |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Project Name: Slider 18 NMD Fed Cam DOIH  |  |                       |  | State: Zip:                 |             |   |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Project Location: Meubourne Oil Company   |  |                       |  | Phone #:                    |             |   |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Sampler Name: Eric Mojica   |  |                       |  | Fax #:                      |             |   |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY  |  |                       |  |                             |             |   |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Lab I.D.  |  | Sample I.D.           |  | # CONTAINERS                | MATRIX      |   |      | PRESERV.                                |        | SAMPLING   |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |                       |  | (G)RAB OR (C)OMP.           | GROUNDWATER | WASTEWATER  | SOIL | OIL                                     | SLUDGE | OTHER :  | ACID/BASE: | ICE / COOL                               | OTHER : | DATE     | TIME |   |   |   |  |  |  |  |  |  |  |  |  |  |
| H213016   |  | 11 SW2                |  | C                           | 1           |   | ✓    |   |        |  |            | ✓  |         | 10-29-21 |      | ✓ | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |
|   |  | 12 SW3                |  | C                           | 1           |   | ✓    |   |        |  |            | ✓  |         | E        |      | ✓ | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |
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| Relinquished By: Eric Mojica  |  |                       |  | Date: 10-29-21              |             | Received By: [Signature]  |      |   |        | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No |            | Add'l Phone #:                           |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Relinquished By:  |  |                       |  | Date:                       |             | Received By:  |      |   |        | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   |            | Add'l Fax #:                             |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |                       |  | Time: 1:45                  |             |   |      |   |        | REMARKS:   |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Delivered By: (Circle One) 6.0°C  |  |                       |  | Date: 10-29-21              |             | Sample Condition  |      |   |        | CHECKED BY: [Signature]  |            | Please email results to pm@etechenv.com. |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Sampler - UPS - Bus - Other: 5.5°C #113   |  |                       |  | Time:                       |             | Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |                       |  |                             |             | Cool <input type="checkbox"/> Intact <input type="checkbox"/>                       |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |                       |  |                             |             | Yes <input type="checkbox"/> No <input type="checkbox"/>                            |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |
|   |  |                       |  |                             |             | Yes <input type="checkbox"/> No <input type="checkbox"/>                            |      |   |        |  |            |  |         |          |      |   |   |   |  |  |  |  |  |  |  |  |  |  |



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

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November 11, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SLIDER 18 W0MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 11/05/21 16:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 WOMD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 4 @ 4' (H213149-01)**

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>80.0</b> | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

**Sample ID: FL 6 @ 7.5' (H213149-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.93 | 96.7       | 2.00          | 4.39 |           |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.96 | 98.2       | 2.00          | 3.44 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.92 | 96.1       | 2.00          | 2.39 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.86 | 97.6       | 6.00          | 3.19 |           |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>432</b> | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/10/2021 | ND              | 216 | 108        | 200           | 6.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/10/2021 | ND              | 214 | 107        | 200           | 7.53 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/10/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 72.8 % 44.3-133

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Celey D. Keene, Lab Director/Quality Manager



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Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 6 @ 7.5' (H213149-02)**

| TPH 8015M                     | mg/kg  | Analyzed By: MS |          |              |    |            |               |     |           |
|-------------------------------|--------|-----------------|----------|--------------|----|------------|---------------|-----|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Surrogate: 1-Chlorooctadecane | 71.0 % | 38.9-142        |          |              |    |            |               |     |           |

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 7 @ 8.5' (H213149-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.93 | 96.7       | 2.00          | 4.39 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.96 | 98.2       | 2.00          | 3.44 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.92 | 96.1       | 2.00          | 2.39 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.86 | 97.6       | 6.00          | 3.19 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/08/2021 | ND              | 216 | 108        | 200           | 6.47 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/08/2021 | ND              | 214 | 107        | 200           | 7.53 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/08/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.6 % 38.9-142

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|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 8 @ 8.5' (H213149-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.93 | 96.7       | 2.00          | 4.39 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.96 | 98.2       | 2.00          | 3.44 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.92 | 96.1       | 2.00          | 2.39 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.86 | 97.6       | 6.00          | 3.19 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/08/2021 | ND              | 216 | 108        | 200           | 6.47 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/08/2021 | ND              | 214 | 107        | 200           | 7.53 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/08/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 87.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.4 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 9 @ 7.5' (H213149-05)**

| 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           | 11/08/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/08/2021 | ND              | 216 | 108        | 200           | 6.47 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/08/2021 | ND              | 214 | 107        | 200           | 7.53 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/08/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 91.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.5 % 38.9-142

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| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 10 @ 8' (H213149-06)**

| 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           | 11/08/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/08/2021 | ND              | 216 | 108        | 200           | 6.47 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/08/2021 | ND              | 214 | 107        | 200           | 7.53 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/08/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.2 % 38.9-142

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| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 11 @ 2' (H213149-07)**

| 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           | 11/08/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/08/2021 | ND              | 216 | 108        | 200           | 6.47 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/08/2021 | ND              | 214 | 107        | 200           | 7.53 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/08/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 77.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.3 % 38.9-142

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| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: SW 4 (H213149-08)**

| 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           | 11/08/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/08/2021 | ND              | 216 | 108        | 200           | 6.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/08/2021 | ND              | 214 | 107        | 200           | 7.53 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/08/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.3 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: SW 5 (H213149-09)**

| 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           | 11/08/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/08/2021 | ND              | 216 | 108        | 200           | 6.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/08/2021 | ND              | 214 | 107        | 200           | 7.53 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/08/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.4 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: SW 6 (H213149-10)**

| 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           | 11/08/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 352    | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 8.26 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 9.88 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/09/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 79.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.9 % 38.9-142

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: SW 7 (H213149-11)**

| 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           | 11/08/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 192    | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 8.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 9.88 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/09/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 68.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.0 % 38.9-142

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**Analytical Results For:**

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: WW 1 (H213149-12)**

| 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           | 11/08/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 176    | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 8.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 9.88 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/09/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

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 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: WW 2 (H213149-13)**

| 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           | 11/08/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |
| Toluene*       | <0.050 | 0.050           | 11/08/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/08/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/08/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |
| Total BTEX     | <0.300 | 0.300           | 11/08/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 8.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 9.88 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/09/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 65.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.9 % 38.9-142

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/05/2021                | Sampling Date:      | 11/04/2021    |
| Reported:         | 11/11/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Yvonne Muniz  |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: EW 3 (H213149-14)**

| 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           | 11/09/2021 | ND              | 1.98 | 99.0       | 2.00          | 6.47 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/09/2021 | ND              | 1.91 | 95.5       | 2.00          | 6.82 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/09/2021 | ND              | 1.88 | 93.8       | 2.00          | 7.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/09/2021 | ND              | 5.68 | 94.6       | 6.00          | 8.20 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/09/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/08/2021 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 8.26 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/09/2021 | ND              | 213 | 107        | 200           | 9.88 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/09/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 69.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.1 % 38.9-142

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager







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November 22, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SLIDER 18 W0MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 11/17/21 15:43.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 WOMD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: NW 3 (H213301-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.87 | 93.4       | 2.00          | 1.21 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.3       | 2.00          | 2.48 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.85 | 92.6       | 2.00          | 2.73 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.61 | 93.5       | 6.00          | 3.00 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 304    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 196 | 97.9       | 200           | 5.50 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 205 | 102        | 200           | 5.13 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 89.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.6 % 38.9-142

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 2617 W MARLAND  
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 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: EW 4 (H213301-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.87 | 93.4       | 2.00          | 1.21 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.3       | 2.00          | 2.48 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.85 | 92.6       | 2.00          | 2.73 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.61 | 93.5       | 6.00          | 3.00 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 352    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 196 | 97.9       | 200           | 5.50 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 205 | 102        | 200           | 5.13 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.0 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: EW 5 (H213301-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.87 | 93.4       | 2.00          | 1.21 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.3       | 2.00          | 2.48 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.85 | 92.6       | 2.00          | 2.73 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.61 | 93.5       | 6.00          | 3.00 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 144    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 196 | 97.9       | 200           | 5.50 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 205 | 102        | 200           | 5.13 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 91.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.8 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
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| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: EW 6 (H213301-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.87 | 93.4       | 2.00          | 1.21 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.3       | 2.00          | 2.48 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.85 | 92.6       | 2.00          | 2.73 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.61 | 93.5       | 6.00          | 3.00 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 196 | 97.9       | 200           | 5.50 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 205 | 102        | 200           | 5.13 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 96.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.2 % 38.9-142

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| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 12 @ 3.5' (H213301-05)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.87 | 93.4       | 2.00          | 1.21 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.3       | 2.00          | 2.48 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.85 | 92.6       | 2.00          | 2.73 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.61 | 93.5       | 6.00          | 3.00 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 128    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 196 | 97.9       | 200           | 5.50 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 205 | 102        | 200           | 5.13 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.7 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 13 @ 3' (H213301-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.87 | 93.4       | 2.00          | 1.21 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.3       | 2.00          | 2.48 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.85 | 92.6       | 2.00          | 2.73 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.61 | 93.5       | 6.00          | 3.00 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.0 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 14 @ 12.5' (H213301-07)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.87 | 93.4       | 2.00          | 1.21 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.3       | 2.00          | 2.48 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.85 | 92.6       | 2.00          | 2.73 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.61 | 93.5       | 6.00          | 3.00 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.0 % 38.9-142

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| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 14 @ EW (H213301-08)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.1 % 38.9-142

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 14 @ NW (H213301-09)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.2 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 15 @ 16' (H213301-10)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 92.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.1 % 38.9-142

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| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 16 @ 16' (H213301-11)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 224    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.1 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 16 @ NW (H213301-12)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.5 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 16 @ WW (H213301-13)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.6 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 17 @ 2.5' (H213301-14)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 208    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.1 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 18 @ 4' (H213301-15)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 176    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.2 % 38.9-142

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|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 19 @ 3' (H213301-16)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 544    | 16.0            | 11/18/2021 | 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            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.8 % 38.9-142

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 HOBBS NM, 88240  
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|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 20 @ 8' (H213301-17)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>112</b> | 16.0            | 11/18/2021 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.2 % 38.9-142

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 HOBBS NM, 88240  
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|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 21 @ 5' (H213301-18)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 11/18/2021 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.9 % 38.9-142

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 HOBBS NM, 88240  
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|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 22 @ 2' (H213301-19)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 208    | 16.0            | 11/18/2021 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.1 % 38.9-142

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 HOBBS NM, 88240  
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|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 11/17/2021                | Sampling Date:      | 11/17/2021    |
| Reported:         | 11/22/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 23 @ 2.5' (H213301-20)**

| 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           | 11/19/2021 | ND              | 1.95 | 97.3       | 2.00          | 0.551 |           |
| Toluene*       | <0.050 | 0.050           | 11/19/2021 | ND              | 1.93 | 96.6       | 2.00          | 1.52  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/19/2021 | ND              | 1.89 | 94.7       | 2.00          | 1.06  |           |
| Total Xylenes* | <0.150 | 0.150           | 11/19/2021 | ND              | 5.77 | 96.2       | 6.00          | 0.700 |           |
| Total BTEX     | <0.300 | 0.300           | 11/19/2021 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 11/18/2021 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/19/2021 | ND              | 189 | 94.6       | 200           | 4.47 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/19/2021 | ND              | 207 | 104        | 200           | 2.10 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/19/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.2 % 38.9-142

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Notes and Definitions

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

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager







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

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November 30, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SLIDER 18 W0MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 11/19/21 16:08.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/18/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 WOMD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 24 @ 1.5' (H213342-01)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/18/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 25 @ 2.5' (H213342-02)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.9 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/18/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 26 @ 2.5' (H213342-03)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.2 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/18/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 27 @ 2.5' (H213342-04)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 128    | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.9 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/18/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 28 @ 2' (H213342-05)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>64.0</b> | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.6 % 38.9-142

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 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/18/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 29 @ 1.5' (H213342-06)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.2 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/18/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 30 @ 1' (H213342-07)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 288    | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.8 % 38.9-142

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 2617 W MARLAND  
 HOBBS NM, 88240  
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|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 31 @ 4' (H213342-08)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 79.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.2 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 32 @ 1.5' (H213342-09)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.1 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 33 @ 1.5' (H213342-10)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.7 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 34 @ 1' (H213342-11)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>224</b> | 16.0            | 11/23/2021 | 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            | 11/24/2021 | ND              | 228 | 114        | 200           | 11.2 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/24/2021 | ND              | 204 | 102        | 200           | 1.84 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/24/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.9 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 35 @ 1' (H213342-12)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 211 | 105        | 200           | 2.97   |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 194 | 97.1       | 200           | 0.0891 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 73.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.0 % 38.9-142

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| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 36 @ 1' (H213342-13)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 211 | 105        | 200           | 2.97   |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 194 | 97.1       | 200           | 0.0891 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.9 % 38.9-142

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**Analytical Results For:**

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 37 @ 3.5' (H213342-14)**

| 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           | 11/24/2021 | ND              | 2.02 | 101        | 2.00          | 5.07 |           |
| Toluene*       | <0.050 | 0.050           | 11/24/2021 | ND              | 1.87 | 93.6       | 2.00          | 7.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/24/2021 | ND              | 1.83 | 91.4       | 2.00          | 5.88 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/24/2021 | ND              | 5.68 | 94.7       | 6.00          | 6.16 |           |
| Total BTEX     | <0.300 | 0.300           | 11/24/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 211 | 105        | 200           | 2.97   |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 194 | 97.1       | 200           | 0.0891 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 81.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.1 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 38 @ 3.5' (H213342-15)**

| 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           | 11/29/2021 | ND              | 2.06 | 103        | 2.00          | 2.13 |           |
| Toluene*       | <0.050 | 0.050           | 11/29/2021 | ND              | 2.02 | 101        | 2.00          | 3.33 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/29/2021 | ND              | 1.86 | 93.1       | 2.00          | 5.30 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/29/2021 | ND              | 5.91 | 98.4       | 6.00          | 5.15 |           |
| Total BTEX     | <0.300 | 0.300           | 11/29/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 211 | 105        | 200           | 2.97   |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 194 | 97.1       | 200           | 0.0891 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 73.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.2 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: FL 39 @ 1' (H213342-16)**

| 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           | 11/29/2021 | ND              | 2.06 | 103        | 2.00          | 2.13 |           |
| Toluene*       | <0.050 | 0.050           | 11/29/2021 | ND              | 2.02 | 101        | 2.00          | 3.33 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/29/2021 | ND              | 1.86 | 93.1       | 2.00          | 5.30 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/29/2021 | ND              | 5.91 | 98.4       | 6.00          | 5.15 |           |
| Total BTEX     | <0.300 | 0.300           | 11/29/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>224</b> | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 211 | 105        | 200           | 2.97   |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 194 | 97.1       | 200           | 0.0891 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 79.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: WW 3 (H213342-17)**

| 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           | 11/29/2021 | ND              | 2.06 | 103        | 2.00          | 2.13 |           |
| Toluene*       | <0.050 | 0.050           | 11/29/2021 | ND              | 2.02 | 101        | 2.00          | 3.33 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/29/2021 | ND              | 1.86 | 93.1       | 2.00          | 5.30 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/29/2021 | ND              | 5.91 | 98.4       | 6.00          | 5.15 |           |
| Total BTEX     | <0.300 | 0.300           | 11/29/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>240</b> | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 211 | 105        | 200           | 2.97   |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 194 | 97.1       | 200           | 0.0891 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 74.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.8 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: WW 4 (H213342-18)**

| 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           | 11/29/2021 | ND              | 2.06 | 103        | 2.00          | 2.13 |           |
| Toluene*       | <0.050 | 0.050           | 11/29/2021 | ND              | 2.02 | 101        | 2.00          | 3.33 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/29/2021 | ND              | 1.86 | 93.1       | 2.00          | 5.30 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/29/2021 | ND              | 5.91 | 98.4       | 6.00          | 5.15 |           |
| Total BTEX     | <0.300 | 0.300           | 11/29/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 208    | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 211 | 105        | 200           | 2.97   |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 194 | 97.1       | 200           | 0.0891 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 82.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.1 % 38.9-142

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|-------------------|---------------------------|---------------------|----------------|
| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: WW 5 (H213342-19)**

| 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           | 11/29/2021 | ND              | 2.06 | 103        | 2.00          | 2.13 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/29/2021 | ND              | 2.02 | 101        | 2.00          | 3.33 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/29/2021 | ND              | 1.86 | 93.1       | 2.00          | 5.30 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/29/2021 | ND              | 5.91 | 98.4       | 6.00          | 5.15 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/29/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 211 | 105        | 200           | 2.97   |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/23/2021 | ND              | 194 | 97.1       | 200           | 0.0891 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/23/2021 | ND              |     |            |               |        |           |  |

Surrogate: 1-Chlorooctane 79.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.9 % 38.9-142

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| Received:         | 11/19/2021                | Sampling Date:      | 11/19/2021     |
| Reported:         | 11/30/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: NW 4 (H213342-20)**

| 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           | 11/29/2021 | ND              | 2.06 | 103        | 2.00          | 2.13 |           |
| Toluene*       | <0.050 | 0.050           | 11/29/2021 | ND              | 2.02 | 101        | 2.00          | 3.33 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/29/2021 | ND              | 1.86 | 93.1       | 2.00          | 5.30 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/29/2021 | ND              | 5.91 | 98.4       | 6.00          | 5.15 |           |
| Total BTEX     | <0.300 | 0.300           | 11/29/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>256</b> | 16.0            | 11/23/2021 | 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            | 11/23/2021 | ND              | 211 | 105        | 200           | 2.97   |           |
| <b>DRO &gt;C10-C28*</b>    | <b>38.7</b> | 10.0            | 11/23/2021 | ND              | 194 | 97.1       | 200           | 0.0891 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>19.4</b> | 10.0            | 11/23/2021 | ND              |     |            |               |        |           |

Surrogate: 1-Chlorooctane 68.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.8 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1. + 2

|   |  |                               |  |   |  |   |  |   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
|---|--|-------------------------------|--|---|--|---|--|---|--|--|--|--|--|--|--|----------------|--|------------|--|--|--|-----|--|--------------|--|--------|--|
| Company Name: Etech Environmental & Safety Solutions, Inc.  |  |                               |  | <b>BILL TO</b>  |  |   |  | <b>ANALYSIS REQUEST</b>   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| Project Manager: Lance Crenshaw   |  |                               |  | P.O. #:   |  |   |  | <div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div> |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| Address: P.O. Box 301   |  |                               |  | Company: Mewbourne  |  |   |  |   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| City: <del>Livingston</del> Hobbs   |  | State: NM                     |  | Zip: 88240  |  | Attn: Robbie Runnels  |  |   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| Phone #: (575) 396-2378   |  | Fax #: (575) 396-1429         |  | Address:  |  |   |  |   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| Project #: 14914  |  | Project Owner: Robbie Runnels |  | City:   |  |   |  |   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| Project Name: Slider 18 W OMD Fed Com 001H  |  |                               |  | State:  |  | Zip:  |  |   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| Project Location: Mewbourne Oil Company   |  |                               |  | Phone #:  |  |   |  |   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| Sampler Name: Eric Mojica   |  |                               |  | Fax #:  |  |   |  |   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| FOR LAB USE ONLY  |  |                               |  | MATRIX  |  | PRESERV   |  |   |  |  |  |  |  |  |  |                |  | SAMPLING   |  |  |  |     |  |              |  |        |  |
| Lab I.D.  |  | Sample I.D.                   |  | (G)RAB OR (C)OMP. # CONTAINERS                                      |  | GROUNDWATER   |  |   |  |  |  |  |  |  |  |                |  | WASTEWATER |  | SOIL   |  | OIL |  | SLUDGE       |  | OTHER: |  |
| H213342   |  |                               |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  | 11-18-21     |  |        |  |
|   |  | 1 FL24 = 1/2                  |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  |              |  |        |  |
|   |  | 2 FL25 = 2 1/2                |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  |              |  |        |  |
|   |  | 3 FL26 = 2 1/2                |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  |              |  |        |  |
|   |  | 4 FL27 = 2 1/2                |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  |              |  |        |  |
|   |  | 5 FL28 = 2                    |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  |              |  |        |  |
|   |  | 6 FL29 = 1 1/2                |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  |              |  |        |  |
|   |  | 7 FL30 = 1                    |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  |              |  |        |  |
|   |  | 8 FL31 = 4                    |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  | 11-19-21     |  |        |  |
|   |  | 9 FL32 = 1 1/2                |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  | 11-19-21     |  |        |  |
|   |  | 10 FL33 = 1 1/2               |  | C 1   |  | ✓   |  |   |  |  |  |  |  |  |  |                |  | ✓          |  | ✓  |  | ✓   |  | 11-19-21     |  |        |  |
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| Relinquished By: <i>Eric Mojica</i>   |  |                               |  | Date: 11-18-21  |  | Time: 1608  |  | Received By: <i>Jamara Oldaker</i>  |  |  |  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No |  |  |  | Add'l Phone #: |  |            |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No |  |     |  | Add'l Fax #: |  |        |  |
| Relinquished By:  |  |                               |  | Date:   |  | Time:   |  | Received By:  |  |  |  | REMARKS:   |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| Delivered By: (Circle One) <i>S.S. C-0.5</i>  |  |                               |  | Sample Condition  |  | Cool Intact   |  | CHECKED BY: (Initials)  |  |  |  | Please email results to pm@etechenv.com.                               |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |
| Sampler - UPS - Bus - Other: <i>S.O.C #113</i>  |  |                               |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  | <i>T.O.</i>   |  |  |  |  |  |  |  |                |  |            |  |  |  |     |  |              |  |        |  |



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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|  |  |                                      |  |   |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--------------------------------------|--|---|--------------|--------------------------------------|------------|---|-----|--|--------|----------------|------------|--------|-----------------|--|------|----------|----------|----------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc.   |  |                                      |  | <b>BILL TO</b>  |              |                                      |            | <b>ANALYSIS REQUEST</b>   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Manager:   |  |                                      |  | P.O. #:   |              |                                      |            | <table border="1"> <tr><td>Chloride</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>TPH (8015M)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>BTEX (8021B)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> |     |  |        |                |            |        |                 |  |      | Chloride |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TPH (8015M) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BTEX (8021B) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chloride   |  |                                      |  |   |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TPH (8015M)  |  |                                      |  |   |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BTEX (8021B)   |  |                                      |  |   |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Address: P.O. Box 301  |  |                                      |  | Company: <i>Mawbourne</i>   |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| City: <i>Livingston Hobbs</i>  |  | State: NM                            |  | Zip: <del>88260</del> <i>88240</i>  |              | Attn: <i>Robbie Runnels</i>          |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phone #: (575) 396-2378  |  | Fax #: (575) 396-1429                |  | Address:  |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project #: <i>14914</i>  |  | Project Owner: <i>Robbie Runnels</i> |  | City:   |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name: <i>Slider 18 WMD Fed Com 001H</i>  |  |                                      |  | State: Zip:   |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location: <i>Mawbourne Oil Company</i>   |  |                                      |  | Phone #:  |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sampler Name: <i>Eric Mejia</i>  |  |                                      |  | Fax #:  |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Lab I.D.   |  | Sample I.D.                          |  | GRAB OR (C)OMP.   | # CONTAINERS | MATRIX                               |            |   |     | PRESERV.   |        | SAMPLING       |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |                                      |  |   |              | GROUNDWATER                          | WASTEWATER | SOIL  | OIL | SLUDGE   | OTHER: | ACID/BASE:     | ICE / COOL | OTHER: | DATE            |  | TIME |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>H213342</i>   |  |                                      |  |   |              |                                      |            |   |     |  |        |                |            |        | <i>11-19-21</i> |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>11 FL34e1</i>   |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>12 FL35-1</i>   |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>13 FL36e1</i>   |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>14 FL37-3 1/2</i>   |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>15 FL38-3 1/2</i>   |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>16 FL39e1</i>   |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>17 WW3</i>  |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>18 WW4</i>  |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>19 WW5</i>  |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <i>20 NW4</i>  |  |                                      |  | <i>C</i>  | <i>1</i>     |                                      |            | <i>✓</i>  |     |  |        | <i>✓</i>       |            |        |                 |  |      |          | <i>✓</i> | <i>✓</i> | <i>✓</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Relinquished By: <i>Eric Mejia</i>   |  |                                      |  | Date: <i>11-19-21</i>   |              | Received By: <i>Jamora Aldaberto</i> |            |   |     | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No |        | Add'l Phone #: |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |                                      |  | Time: <i>1608</i>   |              |                                      |            |   |     | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   |        | Add'l Fax #:   |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished By:   |  |                                      |  | Date:   |              | Received By:                         |            |   |     | REMARKS:   |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |                                      |  | Time:   |              |                                      |            |   |     | Please email results to pm@etechenv.com.                               |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Delivered By: (Circle One) <i>5.50 C-0.50</i>  |  |                                      |  | Sample Condition  |              |                                      |            | CHECKED BY: (Initials) <i>TO</i>  |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sampler - UPS - Bus - Other: <i>5.00 #113</i>  |  |                                      |  | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |              |                                      |            |   |     |  |        |                |            |        |                 |  |      |          |          |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



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

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December 06, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SLIDER 18 W0MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/01/21 16:35.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 WOMD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: NW 5 (H213443-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/02/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/02/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/02/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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 |
| <b>Chloride</b>      | <b>336</b> | 16.0            | 12/02/2021 | 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            | 12/03/2021 | ND              | 221 | 110        | 200           | 7.12 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>72.2</b> | 10.0            | 12/03/2021 | ND              | 221 | 111        | 200           | 1.58 | QR-03     |
| <b>EXT DRO &gt;C28-C36</b> | <b>49.3</b> | 10.0            | 12/03/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 121 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: NW 6 (H213443-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/02/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/02/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/02/2021 | 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             | 320    | 16.0            | 12/02/2021 | 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            | 12/03/2021 | ND              | 221 | 110        | 200           | 7.12 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 12/03/2021 | ND              | 221 | 111        | 200           | 1.58 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 12/03/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 125 % 44.3-133

Surrogate: 1-Chlorooctadecane 126 % 38.9-142

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 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: NW 7 (H213443-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/02/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/02/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/02/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 12/02/2021 | 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            | 12/02/2021 | ND              | 223 | 112        | 200           | 3.87  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 12/02/2021 | ND              | 236 | 118        | 200           | 0.132 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 12/02/2021 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 129 % 44.3-133

Surrogate: 1-Chlorooctadecane 136 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: NW 9 (H213443-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |  |
| Toluene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 12/02/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 12/02/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |  |
| Total BTEX     | <0.300 | 0.300           | 12/02/2021 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

| Chloride, SM4500CI-B |            | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>      | <b>432</b> | 16.0            | 12/02/2021 | 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            | 12/04/2021 | ND              | 221 | 110        | 200           | 7.12 |           |  |
| <b>DRO &gt;C10-C28*</b> | <b>13.6</b> | 10.0            | 12/04/2021 | ND              | 221 | 111        | 200           | 1.58 |           |  |
| EXT DRO >C28-C36        | <10.0       | 10.0            | 12/04/2021 | ND              |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 94.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: EW 7 (H213443-05)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |  |
| Toluene*       | <0.050 | 0.050           | 12/02/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 12/02/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 12/02/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |  |
| Total BTEX     | <0.300 | 0.300           | 12/02/2021 | ND              |      |            |               |      |           |  |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 12/02/2021 | 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            | 12/02/2021 | ND              | 223 | 112        | 200           | 3.87  |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 12/02/2021 | ND              | 236 | 118        | 200           | 0.132 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 12/02/2021 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: EW 8 (H213443-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/03/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/03/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/03/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 208    | 16.0            | 12/02/2021 | 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            | 12/02/2021 | ND              | 223 | 112        | 200           | 3.87  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 12/02/2021 | ND              | 236 | 118        | 200           | 0.132 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 12/02/2021 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 38.9-142

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| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 40 @ 1' (H213443-07)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/03/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/03/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/03/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 192    | 16.0            | 12/02/2021 | 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            | 12/02/2021 | ND              | 223 | 112        | 200           | 3.87  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 12/02/2021 | ND              | 236 | 118        | 200           | 0.132 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 12/02/2021 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 41 @ 1' (H213443-08)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/03/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/03/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/03/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 288    | 16.0            | 12/02/2021 | 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            | 12/02/2021 | ND              | 223 | 112        | 200           | 3.87  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 12/02/2021 | ND              | 236 | 118        | 200           | 0.132 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 12/02/2021 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 42 @ 1' (H213443-09)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/03/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/03/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/03/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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 |
| <b>Chloride</b>      | <b>496</b> | 16.0            | 12/02/2021 | ND              | 416 | 104        | 400           | 3.92 |           |

| TPH 8015M                  |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                | <10.0       | 10.0            | 12/04/2021 | ND              | 221 | 110        | 200           | 7.12 |           |
| <b>DRO &gt;C10-C28*</b>    | <b>36.2</b> | 10.0            | 12/04/2021 | ND              | 221 | 111        | 200           | 1.58 |           |
| <b>EXT DRO &gt;C28-C36</b> | <b>17.9</b> | 10.0            | 12/04/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 98.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 43 @ 1' (H213443-10)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/03/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/03/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/03/2021 | ND              |      |            |               |      |           |

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 208    | 16.0            | 12/02/2021 | ND              | 416 | 104        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 12/02/2021 | ND              | 223 | 112        | 200           | 3.87  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 12/02/2021 | ND              | 236 | 118        | 200           | 0.132 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 12/02/2021 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 124 % 44.3-133

Surrogate: 1-Chlorooctadecane 125 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 44 @ 1' (H213443-11)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/03/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/03/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/03/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 12/02/2021 | ND              | 416 | 104        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 12/02/2021 | ND              | 223 | 112        | 200           | 3.87  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 12/02/2021 | ND              | 236 | 118        | 200           | 0.132 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 12/02/2021 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 132 % 44.3-133

Surrogate: 1-Chlorooctadecane 135 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |               |
|-------------------|---------------------------|---------------------|---------------|
| Received:         | 12/01/2021                | Sampling Date:      | 12/01/2021    |
| Reported:         | 12/06/2021                | Sampling Type:      | Soil          |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number:   | 14914                     | Sample Received By: | Jodi Henson   |
| Project Location: | MEWBOURNE                 |                     |               |

**Sample ID: FL 45 @ 3.5' (H213443-12)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.93 | 96.3       | 2.00          | 5.89 |           |
| Toluene*       | <0.050 | 0.050           | 12/03/2021 | ND              | 1.98 | 99.0       | 2.00          | 5.26 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 12/03/2021 | ND              | 1.97 | 98.3       | 2.00          | 4.13 |           |
| Total Xylenes* | <0.150 | 0.150           | 12/03/2021 | ND              | 5.99 | 99.8       | 6.00          | 4.40 |           |
| Total BTEX     | <0.300 | 0.300           | 12/03/2021 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 12/02/2021 | ND              | 416 | 104        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 12/03/2021 | ND              | 221 | 110        | 200           | 7.12 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 12/03/2021 | ND              | 221 | 111        | 200           | 1.58 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 12/03/2021 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCS/D recovery and/or RPD values.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager







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---

December 09, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: SLIDER 18 W0MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/07/21 15:50.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

|                   |                           |                     |                |
|-------------------|---------------------------|---------------------|----------------|
| Received:         | 12/07/2021                | Sampling Date:      | 12/07/2021     |
| Reported:         | 12/09/2021                | Sampling Type:      | Soil           |
| Project Name:     | SLIDER 18 W0MD FED COM 1H | Sampling Condition: | ** (See Notes) |
| Project Number:   | 14914                     | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE                 |                     |                |

**Sample ID: NW 5 A (H213526-01)**

| 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            | 12/08/2021      | ND           | 222 | 111        | 200           | 1.10 |           |
| <b>DRO &gt;C10-C28*</b>       | <b>36.6</b> | 10.0            | 12/08/2021      | ND           | 209 | 105        | 200           | 2.35 |           |
| <b>EXT DRO &gt;C28-C36</b>    | <b>13.5</b> | 10.0            | 12/08/2021      | ND           |     |            |               |      |           |
| <hr/>                         |             |                 |                 |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctane     | 91.1 %      | 44.3-133        |                 |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 92.2 %      | 38.9-142        |                 |              |     |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager



# ARDINAL LABORATORIES

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

No  
Rush

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1071

|  |  |                               |  |                       |              |   |            |   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|-------------------------------|--|-----------------------|--------------|---|------------|---|-----|--|---------|--|------------|----------|---------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc.   |  |                               |  | <b>BILL TO</b>        |              |   |            | <b>ANALYSIS REQUEST</b>   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Manager: Lance Crenshaw  |  |                               |  | P.O. #:               |              |   |            | <div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div> |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Address: P.O. Box 301  |  |                               |  | Company: Mewbourne    |              |   |            |   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| City: Lovington  |  | State: NM                     |  | Zip: <del>88260</del> |              | Attn: Robbie Runnels  |            |   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phone #: (575) 396-2378  |  | Fax #: (575) 396-1429         |  | Address:              |              |   |            |   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project #: 14914   |  | Project Owner: Robbie Runnels |  | City:                 |              |   |            |   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name: Slider 18 WMD Fed Com 001H   |  |                               |  | State:      Zip:      |              |   |            |   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location: Mewbourne Oil Company  |  |                               |  | Phone #:              |              |   |            |   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sampler Name: Eric Mojica  |  |                               |  | Fax #:                |              |   |            |   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY   |  |                               |  |                       |              |   |            |   |     |  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lab I.D.   |  | Sample I.D.                   |  | GRAB OR (C)OMP.       | # CONTAINERS | MATRIX  |            |   |     | PRESERV.   |         | SAMPLING                                 |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |                               |  |                       |              | GROUNDWATER   | WASTEWATER | SOIL  | OIL | SLUDGE   | OTHER : | ACID/BASE:                               | ICE / COOL | OTHER :  | DATE    |  | TIME |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H213526  |  | NW 5A                         |  | C                     | 1            |   |            | ✓   |     |  |         | ✓  |            |          | 12-7-21 |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Relinquished By: Eric Mojica   |  |                               |  | Date: 12-7-21         |              | Received By: [Signature]  |            |   |     | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No |         | Add'l Phone #:                           |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished By:   |  |                               |  | Time: 1550            |              | Received By:  |            |   |     | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   |         | Add'l Fax #:                             |            | REMARKS: |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Delivered By: (Circle One) 7.4°C C-2.50  |  |                               |  | Date:                 |              | Sample Condition  |            |   |     | CHECKED BY: (Initials)   |         | Please email results to pm@etechenv.com. |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sampler - UPS - Bus - Other: 6.9°C #113  |  |                               |  | Time:                 |              | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |            |   |     | [Signature]  |         |  |            |          |         |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |

**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 69841

**CONDITIONS**

|   |   |
|---|---|
| Operator:<br>MEWBOURNE OIL CO<br>P.O. Box 5270<br>Hobbs, NM 88241 | OGRID:<br>14744   |
|   | Action Number:<br>69841                                   |
|   | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| jnobui     | Closure Report Approved. In the future, soil samples need to be collected more depth discrete, i.e. 0-7.5 ft insufficient. Please allow for data definition of transported materials. | 2/8/2022       |