

## Trinity Oilfield Services &amp; Rentals, LLC

## Remediation Summary



Company: Mewbourne Oil Company Address: P.O. Box 5270, Hobbs, NM 88241 Telephone #: (575)393-5905

Site Name: Merit 32 DM St. Com #1H NMOCD Reference#: 1RP-4724

Surface Owner: State of New Mexico Mineral Owner: State of New Mexico

Unit Letter: "D" (NW/NW) Section: 32 Township: 18S Range: 35E County: Lea GPS Coordinates: 32.7105675N -103.487175 W

Depth to Ground Water: 58' - 60' Distance to Surface Water Body: ☐ <200' ☐ 200' - 1,000' ☒ >1,000'

Wellhead Protection Area: ☐ <1,000' from Water Source or <200' from Domestic Water Source? ☐ Y ☒ N

NMOCD Ranking Score: 10 Soil Remediation Levels (mg/kg): Benzene: 10 BTEX: 50 TPH: ☐ 100 Chloride: ☐ 250

☒ 1,000

☒ 500

☐ 5,000

☐ 1,000

Date/Time of Release: 6/9/2017 Type of Release: Produced Water & Crude Oil Approximate Volume of Release: 130 bbls

## Background Information:

On June 9, 2017, Mewbourne Oil Company (Mewbourne) discovered a release at the Merit 32 DM St. Com #1H (Merit 32) tank battery. Lightning struck the tank battery, resulting in a fire and the release of a total of approximately 130 barrels (bbls) of crude oil and produced water. During initial response activities, the well was shut-in, and all separation equipment was isolated from the transfer system. Vacuum trucks were utilized to recover approximately 10 bbls of crude oil and 120 bbls of produced water. Heavily impacted, visibly stained soil was scraped up and stockpiled on-site, pending final disposition.

The release impacted approximately 18,500 square feet (ft<sup>2</sup>) of the tank battery pad and commingled with an existing historical, non-reportable (i.e., <5 bbls) release. Overspray from the release impacted an area of the adjacent pastureland measuring approximately 2,000 ft<sup>2</sup>.

The release was immediately reported to the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office. The NMOCD "Release Notification & Corrective Action" (Form C-141) is provided as Appendix A. General photographs of the release site are provided in Appendix B. A "Site Location Map" is provided as Figure 1.

## Summary of Field Activities:

On June 15, 2017, one (1) hand-augered borehole (AH-1) was advanced at the site to investigate the vertical extent of impacted soil. The auger hole was located in the approximate center of the containment area of the former tank battery and was advanced to the hard rock layer running underneath the site (approximately 2 feet below ground surface). Representative soil samples were field-screened with a chloride test kit, and the results indicated additional vertical delineation was required.

On June 19, 2017, four (4) delineation trenches were advanced to further investigate the vertical extent of impacted soil in the containment area of the former tank battery. Trenches SP-4 and SP-5 were advanced at the western and eastern extents, respectively, of the containment area. Trench SP-6 was advanced along the flow path of the release. A delineation trench was also advanced in the area represented by auger hole AH-1. The trenches were advanced to the hard rock layer running underneath the site: approximately 2 feet below ground surface (bgs). Representative soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of chloride, total petroleum hydrocarbons (TPH), and/or benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 300, SW 846-8021b, and SW 846-8015M, respectively. Laboratory analytical results and field tests indicated vertical delineation was achieved in the eastern and western extents of the former containment area, but additional vertical delineation was required in the areas represented by auger hole AH-1 and Trench SP-6. However, further vertical advancement into the hard rock layer was deemed impracticable without specialized equipment.

# Trinity Oilfield Services & Rentals, LLC

## Remediation Summary



### Summary of Field Activities (cont.):

On June 21, 2017, a mechanical auger was utilized to advance a borehole (AH-2) in the primary pooling area of the release. The auger hole was advanced to the extent practicable: approximately 5 feet bgs. Representative soil samples were field-screened with a chloride test kit, and a confirmation sample was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field screens indicated vertical delineation of the pooling area had been achieved.

On June 27, 2017, a mechanical auger was utilized to advance borehole AH-1 to approximately 2.75 feet bgs. An additional borehole (AH-3) was advanced in the area represented by delineation trench SP-6 to a total depth of approximately 4 feet bgs. Representative soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field screens indicated vertical delineation of the release had been achieved.

Based on laboratory analytical results, and pursuant to the "Environmental Site Summary & Spill Remediation Proposal" (Work Plan) dated July 10, 2017, the excavation was advanced vertically to the hard rock layer running underneath the site, which is commonly encountered at approximately 2 feet bgs. Excavated soil was transferred to R360 (NMOCD Permit #NM-01-00061) for disposal.

On July 21, 2017, pursuant to NMOCD request, additional vertical delineation was conducted in the areas represented by auger holes AH-1 through AH-3 and sample locations SP-2 through SP-5. A mechanical auger was utilized to re-enter and advance existing boreholes AH-1 through AH-3 to depths ranging from 8 feet bgs (AH-1) to 10 feet bgs (AH-2). Boreholes were advanced in the areas represented by samples SP-2 through SP-5 to depths ranging from approximately 5 feet bgs (SP-2 and SP-3) to 7 feet bgs (SP-4 and SP-5). An additional borehole (AH-4) was advanced to approximately 7 feet bgs in the pooling area at the terminus of the flow path of the release. Representative soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field screens confirmed that vertical delineation of the release had been achieved.

On July 26, 2017, a series of delineation trenches were advanced at the site to determine the horizontal extent of impacted soil. The delineation trenches were spaced approximately 40 feet apart along the walls of the excavation and were advanced horizontally (to the extent practicable) in increments ranging from 1 foot to 20 feet, based on the results of concurrent chloride field tests (beginning with sample "Wall #Xa" collected from the existing sidewall and progressing through the alphabet with each subsequent field screen: i.e., Wall #Xb, Wall #Xc, etc.). The trenches were advanced vertically to the hard rock layer running underneath the site (approximately 2 feet bgs). Confirmation samples (Wall #1 through Wall #20) collected from the terminus of each delineation trench were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Soil samples were also collected from the floor of the excavation and the overspray area to the south. Laboratory analytical results indicated horizontal delineation of the release had been achieved in most areas. However, additional delineation would be required in the areas represented by soil samples Wall #3, Wall #12, and Wall #20. Further delineation and/or excavation in the areas represented by soil samples Wall #11 and Wall #15 was precluded by the presence of a backfilled drilling pit (Wall #11) and a circulating pump and associated pipes, appurtenances, and electrical lines (Wall #15). Further delineation of the area represented by soil sample Wall #6 was deemed unnecessary, as the delineation trench would ultimately intersect the delineation trench for the area represented by Wall #5.

Based on field screens, the excavation sidewalls were advanced to the areas represented by soil samples Wall #4, Wall #5, Wall #7 through Wall #10, Wall #12, Wall #13, Wall #16, Wall #17, and Wall #19.

On August 11 and 14, 2017, based on laboratory analytical results, the excavation was advanced in the areas represented by soil samples Wall #3, Wall #12, and Wall #20, and confirmation soil samples were submitted to the laboratory for analysis of chloride, TPH, and/or BTEX concentrations. Laboratory analytical results indicated horizontal delineation in those areas had been achieved.

On November 5, 2017, pursuant to NMOCD request, additional vertical delineation was conducted in the areas represented by soil samples Floor #2 and Floor #3. A mechanical auger was utilized to advance boreholes ranging in depth from 7 feet bgs (Floor #2) to 10 feet bgs (Floor #3). Representative soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX

# Trinity Oilfield Services & Rentals, LLC

## Remediation Summary



### Summary of Field Activities (cont.):

concentrations. Laboratory analytical results and field screens confirmed that vertical delineation of the release had been achieved.

The circulating pump, risers, and approximately 20 feet of the pipes that had connected the adjacent facility to the piping in the former battery were also removed, and the excavation was advanced in the area represented by soil sample Wall #15. A confirmation soil sample was field-screened with a chloride test kit and submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field screens confirmed that horizontal delineation of the area represented by soil sample Wall #15 had been achieved.

Locations of the soil samples, boreholes, and delineation trenches are depicted in Figure 2, "Sample Location Map". Laboratory analytical results are summarized in Table 1, and field screen results are provided in Table 2. Laboratory analytical reports are provided in Appendix C.

Based on laboratory analytical results and field screens, permission to line and backfill the excavation was obtained from the NMOCD and NMSLO on October 6 and October 12, 2017, respectively. With NMOCD and NMSLO approval, a 20-mil plastic liner was installed in the excavation at approximately 2 feet bgs. To protect the liner from damage during backfilling activities, felt padding was installed on the floor of the excavation prior to installation, and a 6-inch cushion of sand was installed atop the liner once it was in place. The excavation was then backfilled with locally acquired, non-impacted material.

Following installation of the liner and backfilling, the Merit 32 tank battery was rebuilt, and a new containment area was constructed around the facility, which includes steel perimeter walls extending approximately 2 feet above ground surface. A felt liner was installed on the floor of the new containment area, and the floor and perimeter walls were coated with an impermeable, spray-on poly liner.

### Site Closure Request:

Soil samples collected from the floor and sidewalls of the excavation were analyzed by an NMOCD-approved laboratory, and concentrations of chloride, TPH, and BTEX were below the RRALs established for the site, with the exceptions of soil samples Wall #11, Floor #2, Floor #3, Floor #3 @ 2.5', and Floor #3 @ 3'.

The release site was excavated to the extent practicable. A 20-mil plastic liner was installed on the floor of the excavation, and the floor and perimeter walls of the new steel containment area surrounding the rebuilt Merit 32 tank battery were coated with a spray-on poly liner. These engineered controls will help mitigate potential releases and effectively inhibit vertical migration of contaminants remaining in-situ.

Trinity recommends Mewbourne provide the NMOCD Hobbs District Office and the NMSLO a copy of this Remediation Summary and request the NMOCD grant closure to the Merit 32 release site.

### Enclosures:

Figure 1: Site Location Map

Figure 2: Site & Sample Location Map


Table 1: Concentrations of Benzene, BTEX, TPH & Chloride in Soil

Table 2: Chloride Field Tests

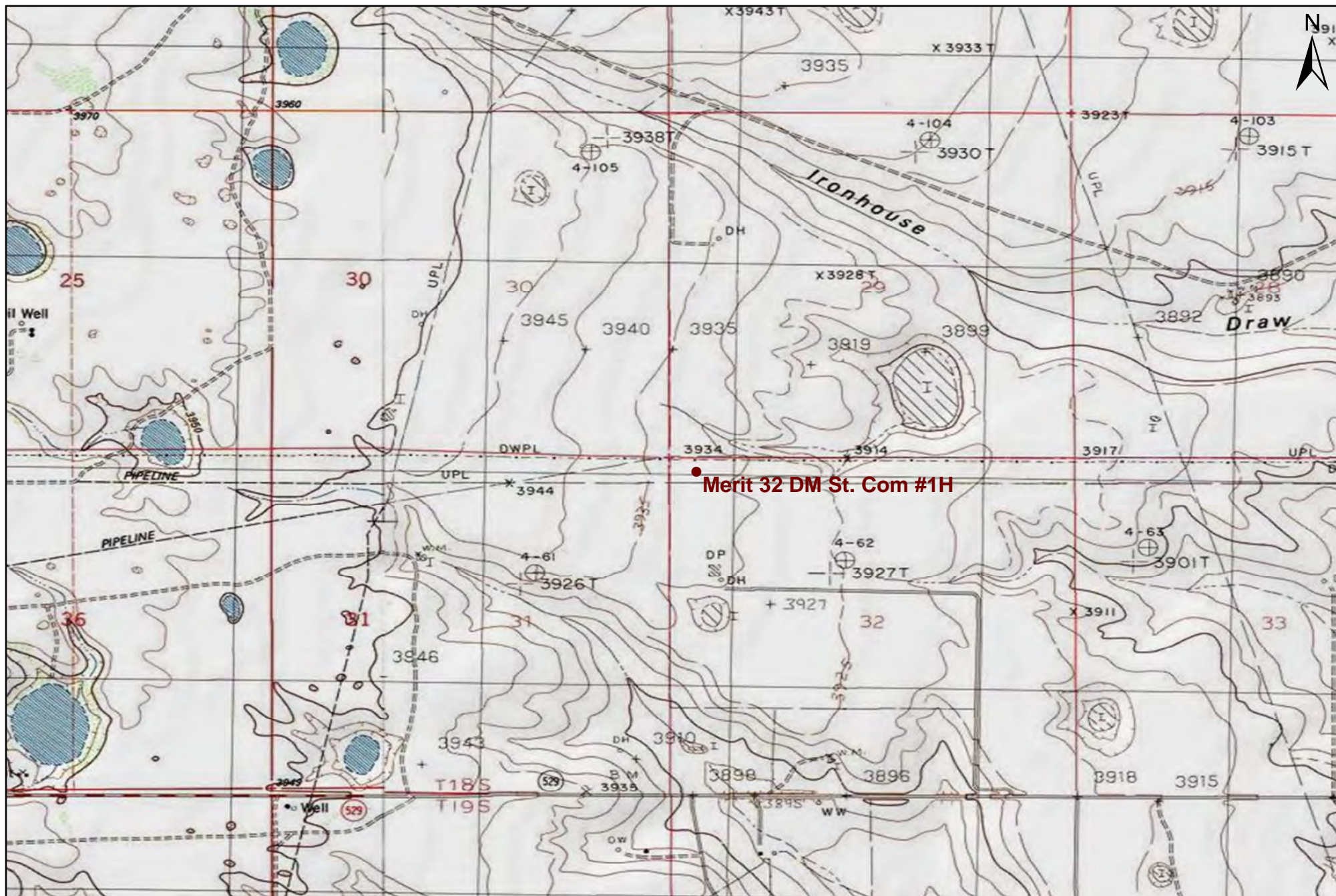
Appendix A: Release Notification & Corrective Action (Form C-141)

Appendix B: Photographs

Appendix C: Laboratory Analytical Results

 10/24/2017  
Ben J. Arguijo  
Project Manager

# Figures



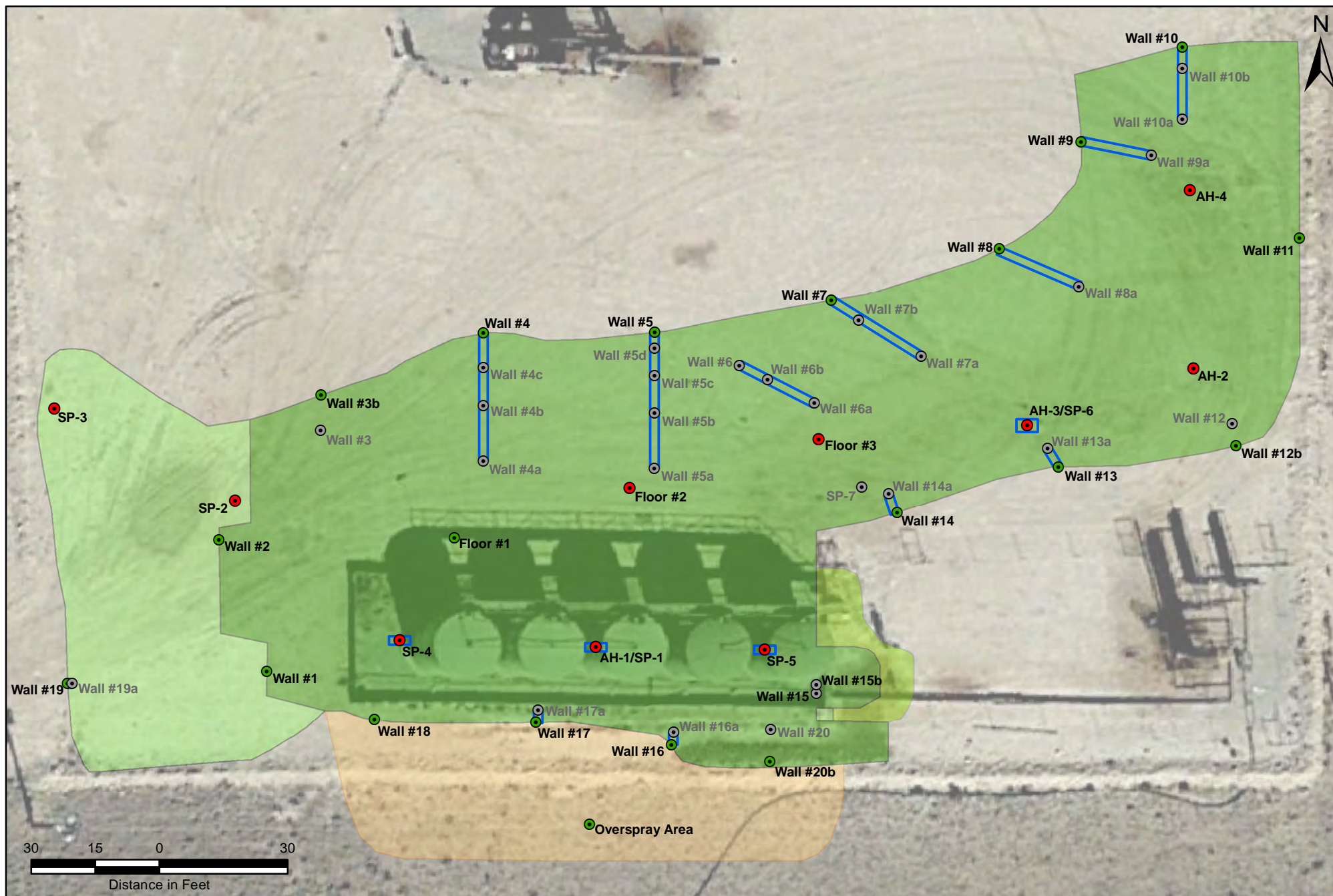
2,000 1,000 0 2,000  
Distance in Feet

**Figure 1**  
**Site Location Map**  
**Mewbourne Oil Company**  
**Merit 32 DM St. Com #1H**  
**Lea County, New Mexico**  
**NMOCD Reference #: 1RP-4724**



Trinity Oilfield Services & Rentals, LLC  
P.O. Box 2587  
Hobbs, NM 88241

|               |                    |
|---------------|--------------------|
| Drawn By: BJA | Checked By: CTR    |
| June 14, 2017 | Scale: 1" = 2,000' |



#### Legend

|   |  |
|---|--|
| <span style="display: inline-block; width: 15px; height: 10px; background-color: #d9ead3; border: 1px solid black;"></span> Excavation - 6" - 9" bgs          | <span style="display: inline-block; width: 15px; height: 10px; border: 2px solid blue;"></span> Delineation Trench                   |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: #c6e0b4; border: 1px solid black;"></span> Excavation - 1' - 1.75' bgs       | <span style="display: inline-block; width: 10px; height: 10px; background-color: red; border-radius: 50%;"></span> Auger Hole        |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: #a1d99b; border: 1px solid black;"></span> Excavation - 2' bgs; Liner Extent | <span style="display: inline-block; width: 10px; height: 10px; background-color: green; border-radius: 50%;"></span> Sample Location |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: #fce4d6; border: 1px solid black;"></span> Overspray                         | <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; border-radius: 50%;"></span> Excavated Sample |

**Figure 2**  
**Sample Location Map**  
**Mewbourne Oil Company**  
**Merit 32 DM St. Com #1H**  
**Lea County, New Mexico**  
**NMOCD Reference #: 1RP-4724**



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P.O. Box 2587  
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|                  |                 |
|------------------|-----------------|
| Drawn By: BJA    | Checked By: CTR |
| October 24, 2017 | Scale: 1" = 30' |

# Tables

**TABLE 1**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**MEWBOURNE OIL COMPANY**  
**MERIT 32 DM ST. COM #1H**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REF. #: 1RP-4724**



| SAMPLE LOCATION                                     | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 |                 |                       |                       |                    | METHOD: 8015M                               |  |  |   | 300.0            |
|---|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
|   |                    |             |             | BENZENE (mg/Kg)                | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg) | DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg) | EXT DRO C <sub>28</sub> -C <sub>35</sub> (mg/Kg) | TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg) | CHLORIDE (mg/Kg) |
| NMOCD Recommended Remediation Action Levels (RRALs) |                    |             |             | 10                             | NE              | NE                    | NE                    | 50                 | NE  | NE   | NE   | 1,000                                       | 500              |
| SP-4 @ 2'   | 2'                 | 6/19/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 56.5             |
| SP-5 @ 2'   | 2'                 | 6/19/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 155              |
|   |                    |             |             |                                |                 |                       |                       |                    |   |  |  |   |                  |
| AH-2 @ 5'   | 5'                 | 6/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 206              |
|   |                    |             |             |                                |                 |                       |                       |                    |   |  |  |   |                  |
| AH-1 @ 2.75'  | 2.75'              | 6/27/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | 12.0   | 14.6   | 26.6  | 137              |
| AH-3 @ 4'   | 4'                 | 6/27/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 206              |
|   |                    |             |             |                                |                 |                       |                       |                    |   |  |  |   |                  |
| AH-1 @ 8'   | 8'                 | 7/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 27.1             |
| AH-2 @ 10'  | 10'                | 7/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 132              |
| AH-3 @ 9'   | 9'                 | 7/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 109              |
| AH-4 @ 2'   | 2'                 | 7/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 235              |
| AH-4 @ 7'   | 7'                 | 7/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 70.9             |
| SP-2 @ 5'   | 5'                 | 7/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 34.9             |
| SP-3 @ 5'   | 5'                 | 7/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 50.5             |
| SP-4 @ 7'   | 7'                 | 7/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | <10.0            |
| SP-5 @ 7'   | 7'                 | 7/21/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 19.7             |
|   |                    |             |             |                                |                 |                       |                       |                    |   |  |  |   |                  |
| Wall #1   | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 99.6             |
| Wall #2   | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | 38.3   | 45.8   | 84.1  | 464              |
| Wall #3   | 1'                 | 7/26/2017   | Excavated   | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 557              |
| Wall #4   | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 199              |
| Wall #5   | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 192              |
| Wall #6   | 1'                 | 7/26/2017   | Excavated   | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 896              |
| Wall #7   | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 253              |
| Wall #8   | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 116              |
| Wall #9   | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 245              |
| Wall #10  | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 130              |
| Wall #11  | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 1,290            |
| Wall #12  | 1'                 | 7/26/2017   | Excavated   | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 612              |
| Wall #13  | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 70.4             |
| Wall #14  | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 166              |
| Wall #15  | 1'                 | 7/26/2017   | Excavated   | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | 75.7   | 64.9   | 141   | 10,700           |
| Wall #16  | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 104              |
| Wall #17  | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 27.1             |
| Wall #18  | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | 14.7   | 11.3   | 26.0  | 31.7             |

**TABLE 1**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

MEWBOURNE OIL COMPANY  
 MERIT 32 DM ST. COM #1H  
 LEA COUNTY, NEW MEXICO  
 NMOCD REF. #: 1RP-4724



| SAMPLE LOCATION                                     | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 |                 |                       |                       |                    | METHOD: 8015M                               |  |  |   | 300.0            |
|---|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
|   |                    |             |             | BENZENE (mg/Kg)                | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg) | DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg) | EXT DRO C <sub>28</sub> -C <sub>35</sub> (mg/Kg) | TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg) | CHLORIDE (mg/Kg) |
| NMOCD Recommended Remediation Action Levels (RRALs) |                    |             |             | 10                             | NE              | NE                    | NE                    | 50                 | NE  | NE   | NE   | 1,000                                       | 500              |
| Wall #19  | 1'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 193              |
| Wall #20  | 1'                 | 7/26/2017   | Excavated   | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | 918  | 253  | 1,171                                       | 187              |
| Floor #1  | 2'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | 15.3   | 15.3  | 41.9             |
| Floor #2  | 2'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 6,480            |
| Floor #3  | 2'                 | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | 55.2   | 21.0   | 76.2  | 4,660            |
| Overspray Area                                      | 0.5'               | 7/26/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | 24.0             |
|   |                    |             |             |                                |                 |                       |                       |                    |   |  |  |   |                  |
| Wall #3b  | 1'                 | 8/11/2017   | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 144              |
| Wall #20b   | 1'                 | 8/11/2017   | In-Situ     | <0.050                         | <0.050          | <0.050                | <0.150                | <0.300             | <10.0                                       | <10.0  | <10.0  | <10.0                                       | -                |
|   |                    |             |             |                                |                 |                       |                       |                    |   |  |  |   |                  |
| Wall #12b   | 1'                 | 8/14/2017   | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 305              |
|   |                    |             |             |                                |                 |                       |                       |                    |   |  |  |   |                  |
| Floor #2 @ 2.5'                                     | 2.5'               | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 81.1             |
| Floor #2 @ 4'                                       | 4'                 | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 29.2             |
| Floor #2 @ 6'                                       | 6'                 | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 20.6             |
| Floor #2 @ 7'                                       | 7'                 | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 18.2             |
| Floor #3 @ 2.5'                                     | 2.5'               | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 1,260            |
| Floor #3 @ 3'                                       | 3'                 | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 1,290            |
| Floor #3 @ 4'                                       | 4'                 | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 479              |
| Floor #3 @ 5.5'                                     | 5.5'               | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 207              |
| Floor #3 @ 8'                                       | 8'                 | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 167              |
| Floor #3 @ 10'                                      | 10'                | 9/5/2017    | In-Situ     | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 138              |
| Wall #15b   | 1.75'              | 9/5/2017    | Excavated   | -                              | -               | -                     | -                     | -                  | -   | -  | -  | -   | 111              |
|   |                    |             |             |                                |                 |                       |                       |                    |   |  |  |   |                  |

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

**TABLE 2  
CHLORIDE FIELD TESTS**

**MEWBOURNE OIL COMPANY  
MERIT 32 DM ST. COM #1H  
LEA COUNTY, NEW MEXICO  
NMOCD REF. #: 1RP-4724**



| SAMPLE LOCATION                                   | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | HACH QUANTAB     |
|---|--------------------|-------------|-------------|------------------|
|   |                    |             |             | CHLORIDE (mg/Kg) |
| NMOCD Recommended Remediation Action Level (RRAL) |                    |             |             | 500              |
| AH-1 @ 1'   | 1'                 | 6/15/2017   | Excavated   | 2,088            |
| AH-1 @ 2'   | 2'                 | 6/20/2017   | In-Situ     | 2,728            |
| AH-1 @ 2.75'                                      | 2.75'              | 6/27/2017   | In-Situ     | 140              |
| AH-1 @ 8'   | 8'                 | 7/21/2017   | In-Situ     | <116             |
|   |                    |             |             |                  |
| AH-2 @ 2'   | 2'                 | 6/21/2017   | In-Situ     | 3,272            |
| AH-2 @ 3'   | 3'                 | 6/21/2017   | In-Situ     | 360              |
| AH-2 @ 5'   | 5'                 | 6/21/2017   | In-Situ     | 176              |
| AH-2 @ 10'  | 10'                | 7/21/2017   | In-Situ     | 144              |
|   |                    |             |             |                  |
| AH-3 @ 0.5'                                       | 0.5'               | 6/19/2017   | Excavated   | 7,944            |
| AH-3 @ 1'   | 1'                 | 6/19/2017   | Excavated   | 9,420            |
| AH-3 @ 2'   | 2'                 | 6/20/2017   | In-Situ     | 5,312            |
| AH-3 @ 4'   | 4'                 | 6/27/2017   | In-Situ     | 280              |
| AH-3 @ 9'   | 9'                 | 7/21/2017   | In-Situ     | 144              |
|   |                    |             |             |                  |
| AH-4 @ 2'   | 2'                 | 7/21/2017   | In-Situ     | 176              |
| AH-4 @ 5'   | 5'                 | 7/21/2017   | In-Situ     | <116             |
| AH-4 @ 7'   | 7'                 | 7/21/2017   | In-Situ     | <116             |
|   |                    |             |             |                  |
| SP-2 @ 0.5'                                       | 0.5'               | 6/15/2017   | In-Situ     | 180              |
| SP-2 @ 5'   | 5'                 | 7/21/2017   | In-Situ     | <116             |
|   |                    |             |             |                  |
| SP-3 @ 0.5'                                       | 0.5'               | 6/15/2017   | In-Situ     | 380              |
| SP-3 @ 5'   | 5'                 | 7/21/2017   | In-Situ     | 144              |
|   |                    |             |             |                  |
| SP-4 @ Surface                                    | Surface            | 6/16/2017   | Excavated   | 4,548            |
| SP-4 @ 1'   | 1'                 | 6/19/2017   | Excavated   | 724              |
| SP-4 @ 2'   | 2'                 | 6/19/2017   | In-Situ     | <116             |
| SP-4 @ 7'   | 7'                 | 7/21/2017   | In-Situ     | <116             |
|   |                    |             |             |                  |
| SP-5 @ Surface                                    | Surface            | 6/16/2017   | Excavated   | 6,788            |
| SP-5 @ 1'   | 1'                 | 6/19/2017   | Excavated   | 724              |
| SP-5 @ 2'   | 2'                 | 6/19/2017   | In-Situ     | 208              |
| SP-5 @ 7'   | 7'                 | 7/21/2017   | In-Situ     | <116             |
|   |                    |             |             |                  |
| SP-7 @ 1'   | 1'                 | 6/20/2017   | Excavated   | 7,312            |
|   |                    |             |             |                  |
| Wall #1   | 1'                 | 7/26/2017   | In-Situ     | 144              |
|   |                    |             |             |                  |
| Wall #2   | 1'                 | 7/26/2017   | In-Situ     | 408              |
|   |                    |             |             |                  |
| Wall #3   | 1'                 | 7/26/2017   | Excavated   | 408              |
|   |                    |             |             |                  |
| Wall #4a  | 1'                 | 7/26/2017   | Excavated   | 10,280           |
| Wall #4b  | 1'                 | 7/26/2017   | Excavated   | 1,784            |
| Wall #4c  | 1'                 | 7/26/2017   | Excavated   | 1,256            |
| Wall #4d  | 1'                 | 7/26/2017   | In-Situ     | 336              |
|   |                    |             |             |                  |
| Wall #5a  | 1'                 | 7/26/2017   | Excavated   | 3,272            |
| Wall #5b  | 1'                 | 7/26/2017   | Excavated   | 2,388            |
| Wall #5c  | 1'                 | 7/26/2017   | Excavated   | 1,256            |
| Wall #5d  | 1'                 | 7/26/2017   | Excavated   | 696              |
| Wall #5e  | 1'                 | 7/26/2017   | In-Situ     | 236              |
|   |                    |             |             |                  |
| Wall #6a  | 1'                 | 7/26/2017   | Excavated   | 13,460           |
| Wall #6b  | 1'                 | 7/26/2017   | Excavated   | 544              |
| Wall #6c  | 1'                 | 7/26/2017   | Excavated   | 592              |
|   |                    |             |             |                  |
| Wall #7a  | 1'                 | 7/26/2017   | Excavated   | 8,676            |
| Wall #7b  | 1'                 | 7/26/2017   | Excavated   | 592              |
| Wall #7c  | 1'                 | 7/26/2017   | In-Situ     | 304              |
|   |                    |             |             |                  |
| Wall #8a  | 1'                 | 7/26/2017   | Excavated   | 16,352           |
| Wall #8b  | 1'                 | 7/26/2017   | In-Situ     | 236              |

**TABLE 2  
CHLORIDE FIELD TESTS**

**MEWBOURNE OIL COMPANY  
MERIT 32 DM ST. COM #1H  
LEA COUNTY, NEW MEXICO  
NMOCD REF. #: 1RP-4724**



| SAMPLE LOCATION                                   | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | HACH QUANTAB     |
|---|--------------------|-------------|-------------|------------------|
|   |                    |             |             | CHLORIDE (mg/Kg) |
| NMOCD Recommended Remediation Action Level (RRAL) |                    |             |             | 500              |
| Wall #9a  | 1'                 | 7/26/2017   | Excavated   | 22,748           |
| Wall #9b  | 1'                 | 7/26/2017   | In-Situ     | 236              |
|   |                    |             |             |                  |
| Wall #10a   | 1'                 | 7/26/2017   | Excavated   | 4,196            |
| Wall #10b   | 1'                 | 7/26/2017   | Excavated   | 696              |
| Wall #10c   | 1'                 | 7/26/2017   | In-Situ     | 304              |
|   |                    |             |             |                  |
| Wall #11  | 1'                 | 7/26/2017   | In-Situ     | 592              |
|   |                    |             |             |                  |
| Wall #12a   | 1'                 | 7/26/2017   | Excavated   | 456              |
| Wall #12b   | 1'                 | 8/14/2017   | Excavated   | 592              |
| Wall #12c   | 1'                 | 8/14/2017   | In-Situ     | 268              |
|   |                    |             |             |                  |
| Wall #13a   | 1'                 | 7/26/2017   | Excavated   | 1,172            |
| Wall #13b   | 1'                 | 7/26/2017   | In-Situ     | 180              |
|   |                    |             |             |                  |
| Wall #14  | 1'                 | 7/26/2017   | In-Situ     | 4,548            |
|   |                    |             |             |                  |
| Wall #15  | 1'                 | 7/26/2017   | Excavated   | 13,460           |
| Wall #15b   | 1.75'              | 9/5/2017    | In-Situ     | <128             |
|   |                    |             |             |                  |
| Wall #16a   | 1'                 | 7/26/2017   | Excavated   | 812              |
| Wall #16b   | 1'                 | 7/26/2017   | In-Situ     | 180              |
|   |                    |             |             |                  |
| Wall #17a   | 1'                 | 7/26/2017   | Excavated   | 1,016            |
| Wall #17b   | 1'                 | 7/26/2017   | In-Situ     | 304              |
|   |                    |             |             |                  |
| Wall #18  | 1'                 | 7/26/2017   | In-Situ     | 208              |
|   |                    |             |             |                  |
| Wall #19a   | 1'                 | 7/26/2017   | Excavated   | 544              |
| Wall #19b   | 1'                 | 7/26/2017   | In-Situ     | 336              |
|   |                    |             |             |                  |
| Wall #20  | 1'                 | 7/26/2017   | Excavated   | 268              |
|   |                    |             |             |                  |
| Floor #2 @ 2.5'                                   | 2.5'               | 9/5/2017    | In-Situ     | <128             |
| Floor #2 @ 3'                                     | 3'                 | 9/5/2017    | In-Situ     | <128             |
| Floor #2 @ 3.5'                                   | 3.5'               | 9/5/2017    | In-Situ     | <128             |
| Floor #2 @ 4'                                     | 4'                 | 9/5/2017    | In-Situ     | <128             |
| Floor #2 @ 5'                                     | 5'                 | 9/5/2017    | In-Situ     | <128             |
| Floor #2 @ 6'                                     | 6'                 | 9/5/2017    | In-Situ     | <128             |
| Floor #2 @ 7'                                     | 7'                 | 9/5/2017    | In-Situ     | <128             |
|   |                    |             |             |                  |
| Floor #3 @ 2.5'                                   | 2.5'               | 9/5/2017    | In-Situ     | 836              |
| Floor #3 @ 3'                                     | 3'                 | 9/5/2017    | In-Situ     | 1,136            |
| Floor #3 @ 3.5'                                   | 3.5'               | 9/5/2017    | In-Situ     | 660              |
| Floor #3 @ 4'                                     | 4'                 | 9/5/2017    | In-Situ     | 472              |
| Floor #3 @ 4.5'                                   | 4.5'               | 9/5/2017    | In-Situ     | 356              |
| Floor #3 @ 5'                                     | 5'                 | 9/5/2017    | In-Situ     | 320              |
| Floor #3 @ 5.5'                                   | 5.5'               | 9/5/2017    | In-Situ     | 204              |
| Floor #3 @ 6'                                     | 6'                 | 9/5/2017    | In-Situ     | 176              |
| Floor #3 @ 7'                                     | 7'                 | 9/5/2017    | In-Situ     | 144              |
| Floor #3 @ 8'                                     | 8'                 | 9/5/2017    | In-Situ     | 128              |
| Floor #3 @ 10'                                    | 10'                | 9/5/2017    | In-Situ     | 128              |
|   |                    |             |             |                  |

Concentrations in BOLD exceed the NMOCD RRAL

# **Appendices**

**Appendix A**

**Release Notification &**

**Corrective Action (Form C-141)**

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

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

### OPERATOR

☒ Initial Report ☐ Final Report

|  |                                   |                      |
|--|-----------------------------------|----------------------|
| Name of Company: Mewbourne Oil Company | Contact: Zack Thomas              |                      |
| Address: PO Box 5270 Hobbs NM 88241    | Telephone No. 575-393-5905        |                      |
| Facility Name: Merit 32 DM St. com #1H | Facility Type: Producing Oil Well |                      |
| Surface Owner: State                   | Mineral Owner:                    | API No. 30-025-40836 |

### LOCATION OF RELEASE

|                  |               |                 |              |                       |                           |                       |                        |               |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| Unit Letter<br>D | Section<br>32 | Township<br>18S | Range<br>35E | Feet from the<br>245' | North/South Line<br>North | Feet from the<br>330' | East/West Line<br>West | County<br>Lea |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|---------------|

Latitude 32.7105675 Longitude -103.487175

### NATURE OF RELEASE

|  |   |   |
|--|---|---|
| Type of Release: Oil/produced water  | Volume of Release: estimated 130 bbls         | Volume Recovered:<br>10 bbls oil/ 120 bbls pw |
| Source of Release: Tank Battery  | Date and Hour of Occurrence<br>6-9-17 5:00 am | Date and Hour of Discovery<br>6-9-17 5:00 am  |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Mark Whitaker; NMOCD      |   |
| By Whom? Zack Thomas   | Date and Hour 6-9-17 12:40 pm                 |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.     |   |

If a Watercourse was Impacted, Describe Fully.\*



Describe Cause of Problem and Remedial Action Taken.\*

Lightning struck tank battery causing fire. Well was shut-in and all separation equipment isolated. Monument and Hobbs Fire Departments were dispatched to put out fire.

Describe Area Affected and Cleanup Action Taken.\*

Affected area- Pad surface Northwest of tank containment. Vacuum truck used to recover all standing fluid.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

|  |   |  |
|--|---|--|
| Signature:  | <b>OIL CONSERVATION DIVISION</b>  |  |
| Printed Name: Zack Thomas  | Approved by Environmental Specialist:  |  |
| Title: Environmental Rep.  | Approval Date: <b>6/15/2017</b>   | Expiration Date:                             |
| E-mail Address: zthomas@mewbourne.com  | Conditions of Approval:<br><b>see attached directive</b>  | Attached <input checked="" type="checkbox"/> |
| Date: 6-12-17  | Phone: 575-602-2188   |  |

\* Attach Additional Sheets If Necessary

1RP-4724

nOY1716634012

pOY1716634836

# **Appendix B**

## **Photographs**



Merit 32 DM St. Com #1H - Release (Looking East)



Merit 32 DM St. Com #1H - Release (Looking East)



Merit 32 DM St. Com #1H – Release (Looking South)



Merit 32 DM St. Com #1H – Release (Looking Southwest)



Merit 32 DM St. Com #1H – Release (Looking South)



Merit 32 DM St. Com #1H – Release (Looking South-Southwest)



Merit 32 DM St. Com #1H – Release (Looking Northwest)



Merit 32 DM St. Com #1H – Release (Looking West)



Merit 32 DM St. Com #1H – Release (Looking Northwest)



Merit 32 DM St. Com #1H – Release (Looking North)



Merit 32 DM St. Com #1H – Overspray Area (Looking Southwest)



Merit 32 DM St. Com #1H - Excavation (Looking East)



Merit 32 DM St. Com #1H – Excavation (Looking South)



Merit 32 DM St. Com #1H – Excavation (Looking West)



Merit 32 DM St. Com #1H – Excavation (Looking East)



Merit 32 DM St. Com #1H – Excavation (Looking East)



Merit 32 DM St. Com #1H – Excavation (Looking Southeast)



Merit 32 DM St. Com #1H – Excavation (Looking Southeast)



Merit 32 DM St. Com #1H – Excavation (Looking Southeast)



Merit 32 DM St. Com #1H – Excavation (Looking East-Southeast)



Merit 32 DM St. Com #1H – Excavation (Looking Southeast)



Merit 32 DM St. Com #1H – Felt Installation (Looking Southwest)



Merit 32 DM St. Com #1H – Felt Installation (Looking Southeast)



Merit 32 DM St. Com #1H – Felt Installation (Looking Southwest)



Merit 32 DM St. Com #1H – Felt Installation (Looking South)



Merit 32 DM St. Com #1H – Liner Installation (Looking Southwest)



Merit 32 DM St. Com #1H – Liner Installation (Looking East)



Merit 32 DM St. Com #1H – Liner Installation (Looking West)



Merit 32 DM St. Com #1H – Sand Installation (Looking East)



Merit 32 DM St. Com #1H – Sand Installation (Looking South)



Merit 32 DM St. Com #1H – Sand Installation (Looking South-Southeast)



Merit 32 DM St. Com #1H – Rebuilt Battery & Containment (Looking East)



Merit 32 DM St. Com #1H – Rebuilt Battery & Containment (Looking Southeast)



Merit 32 DM St. Com #1H – Rebuilt Battery & Containment (Looking East)

# **Appendix C**

## **Laboratory Analytical Reports**

July 05, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 06/20/17 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: DM ST. COM #1H  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
05-Jul-17 10:00

| Sample ID | Laboratory ID | Matrix | Date Sampled    | Date Received   |
|-----------|---------------|--------|-----------------|-----------------|
| SP-4 @2'  | H701600-01    | Soil   | 19-Jun-17 12:10 | 20-Jun-17 16:25 |
| SP-5 @2'  | H701600-02    | Soil   | 19-Jun-17 12:15 | 20-Jun-17 16:25 |

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: DM ST. COM #1H  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
05-Jul-17 10:00

**SP-4 @2'**  
**H701600-01 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|                                       |        |  |       |       |        |         |    |           |       |  |
|---------------------------------------|--------|--|-------|-------|--------|---------|----|-----------|-------|--|
| Benzene*                              | <0.050 |  | 0.050 | mg/kg | 50     | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Toluene*                              | <0.050 |  | 0.050 | mg/kg | 50     | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Ethylbenzene*                         | <0.050 |  | 0.050 | mg/kg | 50     | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Total Xylenes*                        | <0.150 |  | 0.150 | mg/kg | 50     | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Total BTEX                            | <0.300 |  | 0.300 | mg/kg | 50     | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Surrogate: 4-Bromofluorobenzene (PID) |        |  | 107 % |       | 72-148 | 7062201 | MS | 22-Jun-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                               |       |  |       |       |          |         |    |           |       |  |
|-------------------------------|-------|--|-------|-------|----------|---------|----|-----------|-------|--|
| GRO C6-C10                    | <10.0 |  | 10.0  | mg/kg | 1        | 7062104 | MS | 03-Jul-17 | 8015B |  |
| DRO >C10-C28                  | <10.0 |  | 10.0  | mg/kg | 1        | 7062104 | MS | 03-Jul-17 | 8015B |  |
| EXT DRO >C28-C36              | <10.0 |  | 10.0  | mg/kg | 1        | 7062104 | MS | 03-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctane     |       |  | 101 % |       | 28.3-164 | 7062104 | MS | 03-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctadecane |       |  | 108 % |       | 34.7-157 | 7062104 | MS | 03-Jul-17 | 8015B |  |

### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 56.5 |  | 10.0 | mg/kg wet | 10 | B706277 | JDA | 30-Jun-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: DM ST. COM #1H  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
05-Jul-17 10:00

### SP-5 @2' H701600-02 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|                                       |        |  |       |        |    |         |    |           |       |  |
|---------------------------------------|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Toluene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Ethylbenzene*                         | <0.050 |  | 0.050 | mg/kg  | 50 | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Total Xylenes*                        | <0.150 |  | 0.150 | mg/kg  | 50 | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Total BTEX                            | <0.300 |  | 0.300 | mg/kg  | 50 | 7062201 | MS | 22-Jun-17 | 8021B |  |
| Surrogate: 4-Bromofluorobenzene (PID) |        |  | 103 % | 72-148 |    | 7062201 | MS | 22-Jun-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                               |       |  |        |          |   |         |    |           |       |  |
|-------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                    | <10.0 |  | 10.0   | mg/kg    | 1 | 7062104 | MS | 22-Jun-17 | 8015B |  |
| DRO >C10-C28                  | <10.0 |  | 10.0   | mg/kg    | 1 | 7062104 | MS | 22-Jun-17 | 8015B |  |
| EXT DRO >C28-C36              | <10.0 |  | 10.0   | mg/kg    | 1 | 7062104 | MS | 22-Jun-17 | 8015B |  |
| Surrogate: 1-Chlorooctane     |       |  | 83.1 % | 28.3-164 |   | 7062104 | MS | 22-Jun-17 | 8015B |  |
| Surrogate: 1-Chlorooctadecane |       |  | 72.6 % | 34.7-157 |   | 7062104 | MS | 22-Jun-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 155 |  | 10.0 | mg/kg wet | 10 | B706277 | JDA | 30-Jun-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: DM ST. COM #1H  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
05-Jul-17 10:00

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 7062201 - Volatiles

##### Blank (7062201-BLK1)

Prepared & Analyzed: 22-Jun-17

|                                       |    |       |       |        |  |      |        |  |  |  |
|---------------------------------------|----|-------|-------|--------|--|------|--------|--|--|--|
| Benzene                               | ND | 0.050 | mg/kg |        |  |      |        |  |  |  |
| Toluene                               | ND | 0.050 | mg/kg |        |  |      |        |  |  |  |
| Ethylbenzene                          | ND | 0.050 | mg/kg |        |  |      |        |  |  |  |
| Total Xylenes                         | ND | 0.150 | mg/kg |        |  |      |        |  |  |  |
| Total BTEX                            | ND | 0.300 | mg/kg |        |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | ND |       | mg/kg | 0.0500 |  | 98.6 | 72-148 |  |  |  |

##### LCS (7062201-BS1)

Prepared & Analyzed: 22-Jun-17

|                                       |        |       |       |        |  |      |          |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|--|--|--|
| Benzene                               | 2.17   | 0.050 | mg/kg | 2.00   |  | 109  | 79.5-124 |  |  |  |
| Toluene                               | 2.00   | 0.050 | mg/kg | 2.00   |  | 99.8 | 75.5-127 |  |  |  |
| Ethylbenzene                          | 2.03   | 0.050 | mg/kg | 2.00   |  | 101  | 77.7-125 |  |  |  |
| Total Xylenes                         | 5.87   | 0.150 | mg/kg | 6.00   |  | 97.9 | 70.9-124 |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0495 |       | mg/kg | 0.0500 |  | 98.9 | 72-148   |  |  |  |

##### LCS Dup (7062201-BSD1)

Prepared & Analyzed: 22-Jun-17

|                                       |        |       |       |        |  |      |          |      |      |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|------|------|--|
| Benzene                               | 2.20   | 0.050 | mg/kg | 2.00   |  | 110  | 79.5-124 | 1.21 | 6.5  |  |
| Toluene                               | 2.03   | 0.050 | mg/kg | 2.00   |  | 101  | 75.5-127 | 1.55 | 7.02 |  |
| Ethylbenzene                          | 2.09   | 0.050 | mg/kg | 2.00   |  | 105  | 77.7-125 | 3.17 | 7.83 |  |
| Total Xylenes                         | 6.06   | 0.150 | mg/kg | 6.00   |  | 101  | 70.9-124 | 3.22 | 7.78 |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0498 |       | mg/kg | 0.0500 |  | 99.6 | 72-148   |      |      |  |

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: DM ST. COM #1H  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
05-Jul-17 10:00

### Petroleum Hydrocarbons by GC FID - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch 7062104 - General Prep - Organics

##### Blank (7062104-BLK1)

Prepared & Analyzed: 21-Jun-17

|                               |      |      |       |      |  |      |          |  |  |  |
|-------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| GRO C6-C10                    | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| DRO >C10-C28                  | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| EXT DRO >C28-C35              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| EXT DRO >C28-C36              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| Total TPH C6-C28              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| Surrogate: 1-Chlorooctane     | 45.2 |      | mg/kg | 50.0 |  | 90.4 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 40.0 |      | mg/kg | 50.0 |  | 80.1 | 34.7-157 |  |  |  |

##### LCS (7062104-BS1)

Prepared & Analyzed: 21-Jun-17

|                               |      |      |       |      |  |      |          |  |  |  |
|-------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| GRO C6-C10                    | 177  | 10.0 | mg/kg | 200  |  | 88.6 | 76.6-119 |  |  |  |
| DRO >C10-C28                  | 182  | 10.0 | mg/kg | 200  |  | 90.9 | 81.4-124 |  |  |  |
| Total TPH C6-C28              | 359  | 10.0 | mg/kg | 400  |  | 89.8 | 79.4-121 |  |  |  |
| Surrogate: 1-Chlorooctane     | 48.8 |      | mg/kg | 50.0 |  | 97.6 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 43.6 |      | mg/kg | 50.0 |  | 87.1 | 34.7-157 |  |  |  |

##### LCS Dup (7062104-BSD1)

Prepared & Analyzed: 21-Jun-17

|                               |      |      |       |      |  |      |          |      |      |  |
|-------------------------------|------|------|-------|------|--|------|----------|------|------|--|
| GRO C6-C10                    | 183  | 10.0 | mg/kg | 200  |  | 91.4 | 76.6-119 | 3.03 | 7.94 |  |
| DRO >C10-C28                  | 186  | 10.0 | mg/kg | 200  |  | 92.9 | 81.4-124 | 2.24 | 9.83 |  |
| Total TPH C6-C28              | 369  | 10.0 | mg/kg | 400  |  | 92.1 | 79.4-121 | 2.63 | 8.57 |  |
| Surrogate: 1-Chlorooctane     | 50.7 |      | mg/kg | 50.0 |  | 101  | 28.3-164 |      |      |  |
| Surrogate: 1-Chlorooctadecane | 42.0 |      | mg/kg | 50.0 |  | 84.0 | 34.7-157 |      |      |  |

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: MERIT 32 DM ST. COM #1H  
 Project Number: DM ST. COM #1H  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 05-Jul-17 10:00

**Soluble (DI Water Extraction) - Quality Control**
**Green Analytical Laboratories**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B706277 - General Prep - Wet Chem**
**Blank (B706277-BLK1)**

Prepared &amp; Analyzed: 30-Jun-17

|          |    |      |           |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00 | mg/kg wet |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|

**LCS (B706277-BS1)**

Prepared &amp; Analyzed: 30-Jun-17

|          |     |      |           |     |  |      |        |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|
| Chloride | 238 | 10.0 | mg/kg wet | 250 |  | 95.0 | 85-115 |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|

**LCS Dup (B706277-BSD1)**

Prepared &amp; Analyzed: 30-Jun-17

|          |     |      |           |     |  |      |        |       |    |  |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|
| Chloride | 239 | 10.0 | mg/kg wet | 250 |  | 95.4 | 85-115 | 0.433 | 20 |  |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

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

Page 1 of 1

|   |  |   |  |                                    |  |                   |  |   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
|---|--|---|--|------------------------------------|--|-------------------|--|---|--|------------|--|---------------|--|--------------|--|------------------|--|-------------------|--|--------------|--|-------------|--|-------------|--|-------|--|--|--|--|--|--|--|--|--|--|--|
| <b>Company Name:</b> Trinity Oilfield Services & Rentals, LLC |  |   |  | <b>BILL TO</b>                     |  |                   |  | <b>ANALYSIS REQUEST</b>   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>Project Manager:</b> Ben J. Arguijo                        |  |   |  | <b>P.O. #:</b>                     |  |                   |  | <div style="display: flex; flex-direction: column; align-items: center;"> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> <div>Chloride (300)</div> </div> |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>Address:</b> P.O. Box 2587                                 |  |   |  | <b>Company:</b> Mewbourne Oil Co.  |  |                   |  |   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>City:</b> Hobbs  |  | <b>State:</b> NM <b>Zip:</b> 88241      |  | <b>Attn:</b> Zack Thomas           |  |                   |  |   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>Phone #:</b> (575)390-7208                                 |  | <b>Fax #:</b>                           |  | <b>Address:</b> P.O. Box 5270      |  |                   |  |   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>Project #:</b>   |  | <b>Project Owner:</b> Mewbourne Oil Co. |  | <b>City:</b> Hobbs                 |  |                   |  |   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>Project Name:</b> Merit 32 DM St. Com #1H                  |  |   |  | <b>State:</b> NM <b>Zip:</b> 88241 |  |                   |  |   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>Project Location:</b> Lea Co., NM                          |  |   |  | <b>Phone #:</b> (575)393-5905      |  |                   |  |   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>Sampler Name:</b> Ben J. Arguijo                           |  |   |  | <b>Fax #:</b> (575) 397-6252       |  |                   |  |   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>FOR LAB USE ONLY</b>                                       |  |   |  | <b>MATRIX</b>                      |  | <b>PRESERV</b>    |  | <b>SAMPLING</b>   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| <b>Lab I.D.</b>   |  | <b>Sample I.D.</b>                      |  | <b>GROUNDWATER</b>                 |  | <b>WASTEWATER</b> |  | <b>SOIL</b>   |  | <b>OIL</b> |  | <b>SLUDGE</b> |  | <b>OTHER</b> |  | <b>ACID/BASE</b> |  | <b>ICE / COOL</b> |  | <b>OTHER</b> |  | <b>DATE</b> |  | <b>TIME</b> |  |       |  |  |  |  |  |  |  |  |  |  |  |
| H701600 -   |  |   |  |                                    |  |                   |  |   |  |            |  |               |  |              |  |                  |  |                   |  |              |  |             |  |             |  |       |  |  |  |  |  |  |  |  |  |  |  |
| 1   |  | SP-4021                                 |  | G 1                                |  | X                 |  |   |  |            |  |               |  |              |  | X                |  |                   |  |              |  | 6/19/12     |  | 1210        |  | X X X |  |  |  |  |  |  |  |  |  |  |  |
| 2   |  | SP-5021                                 |  | K X                                |  | X                 |  |   |  |            |  |               |  |              |  | K                |  |                   |  |              |  | ↓           |  | 1215        |  | X X X |  |  |  |  |  |  |  |  |  |  |  |

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|                                     |  |                      |  |  |  |  |  |
|-------------------------------------|--|----------------------|--|--|--|--|--|
| <b>Relinquished By:</b>             |  | <b>Date:</b> 6/20/12 |  | <b>Received By:</b> Valerie Nunez  |  | <b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>        |  |
|                                     |  | <b>Time:</b> 1625    |  |  |  | <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b>            |  |
| <b>Relinquished By:</b>             |  | <b>Date:</b>         |  | <b>Received By:</b>  |  | <b>REMARKS:</b><br><br>Please e-mail results to zthomas@mewbourne.com<br>& ben@trinityoilfieldservices.com |  |
|                                     |  | <b>Time:</b>         |  |  |  |  |  |
| <b>Delivered By: (Circle One)</b>   |  |                      |  | <b>Sample Condition</b>  |  |  |  |
| <b>Sampler - UPS - Bus - Other:</b> |  | #75 5-90C            |  | Cool Intact<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  | V.N.   |  |



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

July 03, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 06/23/17 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
03-Jul-17 16:18

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|--------------|---------------|
|-----------|---------------|--------|--------------|---------------|

|           |            |      |                 |                 |
|-----------|------------|------|-----------------|-----------------|
| AH-2 @ 5' | H701652-01 | Soil | 21-Jun-17 10:30 | 23-Jun-17 14:05 |
|-----------|------------|------|-----------------|-----------------|

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
03-Jul-17 16:18

### AH-2 @ 5' H701652-01 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|                                       |        |  |       |        |    |         |    |           |       |  |
|---------------------------------------|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7062603 | MS | 27-Jun-17 | 8021B |  |
| Toluene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7062603 | MS | 27-Jun-17 | 8021B |  |
| Ethylbenzene*                         | <0.050 |  | 0.050 | mg/kg  | 50 | 7062603 | MS | 27-Jun-17 | 8021B |  |
| Total Xylenes*                        | <0.150 |  | 0.150 | mg/kg  | 50 | 7062603 | MS | 27-Jun-17 | 8021B |  |
| Total BTEX                            | <0.300 |  | 0.300 | mg/kg  | 50 | 7062603 | MS | 27-Jun-17 | 8021B |  |
| Surrogate: 4-Bromofluorobenzene (PID) |        |  | 101 % | 72-148 |    | 7062603 | MS | 27-Jun-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                               |       |  |        |          |   |         |    |           |       |  |
|-------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                    | <10.0 |  | 10.0   | mg/kg    | 1 | 7062604 | MS | 26-Jun-17 | 8015B |  |
| DRO >C10-C28                  | <10.0 |  | 10.0   | mg/kg    | 1 | 7062604 | MS | 26-Jun-17 | 8015B |  |
| EXT DRO >C28-C36              | <10.0 |  | 10.0   | mg/kg    | 1 | 7062604 | MS | 26-Jun-17 | 8015B |  |
| Surrogate: 1-Chlorooctane     |       |  | 81.4 % | 28.3-164 |   | 7062604 | MS | 26-Jun-17 | 8015B |  |
| Surrogate: 1-Chlorooctadecane |       |  | 82.4 % | 34.7-157 |   | 7062604 | MS | 26-Jun-17 | 8015B |  |

### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 206 |  | 10.0 | mg/kg wet | 10 | B706277 | JDA | 30-Jun-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
03-Jul-17 16:18

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 7062603 - Volatiles

##### Blank (7062603-BLK1)

Prepared & Analyzed: 26-Jun-17

|                                       |    |       |       |        |  |      |        |  |  |  |
|---------------------------------------|----|-------|-------|--------|--|------|--------|--|--|--|
| Benzene                               | ND | 0.050 | mg/kg |        |  |      |        |  |  |  |
| Toluene                               | ND | 0.050 | mg/kg |        |  |      |        |  |  |  |
| Ethylbenzene                          | ND | 0.050 | mg/kg |        |  |      |        |  |  |  |
| Total Xylenes                         | ND | 0.150 | mg/kg |        |  |      |        |  |  |  |
| Total BTEX                            | ND | 0.300 | mg/kg |        |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | ND |       | mg/kg | 0.0500 |  | 98.1 | 72-148 |  |  |  |

##### LCS (7062603-BS1)

Prepared & Analyzed: 26-Jun-17

|                                       |        |       |       |        |  |      |          |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|--|--|--|
| Benzene                               | 2.21   | 0.050 | mg/kg | 2.00   |  | 111  | 79.5-124 |  |  |  |
| Toluene                               | 2.00   | 0.050 | mg/kg | 2.00   |  | 100  | 75.5-127 |  |  |  |
| Ethylbenzene                          | 2.09   | 0.050 | mg/kg | 2.00   |  | 105  | 77.7-125 |  |  |  |
| Total Xylenes                         | 6.12   | 0.150 | mg/kg | 6.00   |  | 102  | 70.9-124 |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0494 |       | mg/kg | 0.0500 |  | 98.8 | 72-148   |  |  |  |

##### LCS Dup (7062603-BSD1)

Prepared & Analyzed: 26-Jun-17

|                                       |        |       |       |        |  |      |          |       |      |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|-------|------|--|
| Benzene                               | 2.22   | 0.050 | mg/kg | 2.00   |  | 111  | 79.5-124 | 0.417 | 6.5  |  |
| Toluene                               | 2.03   | 0.050 | mg/kg | 2.00   |  | 101  | 75.5-127 | 1.29  | 7.02 |  |
| Ethylbenzene                          | 2.12   | 0.050 | mg/kg | 2.00   |  | 106  | 77.7-125 | 1.31  | 7.83 |  |
| Total Xylenes                         | 6.21   | 0.150 | mg/kg | 6.00   |  | 104  | 70.9-124 | 1.46  | 7.78 |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0495 |       | mg/kg | 0.0500 |  | 99.0 | 72-148   |       |      |  |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
03-Jul-17 16:18

### Petroleum Hydrocarbons by GC FID - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch 7062604 - General Prep - Organics

##### Blank (7062604-BLK1)

Prepared & Analyzed: 26-Jun-17

|                               |      |      |       |      |  |      |          |  |  |  |
|-------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| GRO C6-C10                    | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| DRO >C10-C28                  | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| EXT DRO >C28-C35              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| EXT DRO >C28-C36              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| Total TPH C6-C28              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| Surrogate: 1-Chlorooctane     | 48.3 |      | mg/kg | 50.0 |  | 96.6 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 48.6 |      | mg/kg | 50.0 |  | 97.2 | 34.7-157 |  |  |  |

##### LCS (7062604-BS1)

Prepared & Analyzed: 26-Jun-17

|                               |      |      |       |      |  |     |          |  |  |  |
|-------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10                    | 203  | 10.0 | mg/kg | 200  |  | 101 | 76.6-119 |  |  |  |
| DRO >C10-C28                  | 211  | 10.0 | mg/kg | 200  |  | 106 | 81.4-124 |  |  |  |
| Total TPH C6-C28              | 414  | 10.0 | mg/kg | 400  |  | 103 | 79.4-121 |  |  |  |
| Surrogate: 1-Chlorooctane     | 53.3 |      | mg/kg | 50.0 |  | 107 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 53.6 |      | mg/kg | 50.0 |  | 107 | 34.7-157 |  |  |  |

##### LCS Dup (7062604-BSD1)

Prepared & Analyzed: 26-Jun-17

|                               |      |      |       |      |  |     |          |      |      |  |
|-------------------------------|------|------|-------|------|--|-----|----------|------|------|--|
| GRO C6-C10                    | 211  | 10.0 | mg/kg | 200  |  | 106 | 76.6-119 | 4.16 | 7.94 |  |
| DRO >C10-C28                  | 223  | 10.0 | mg/kg | 200  |  | 111 | 81.4-124 | 5.30 | 9.83 |  |
| Total TPH C6-C28              | 434  | 10.0 | mg/kg | 400  |  | 108 | 79.4-121 | 4.74 | 8.57 |  |
| Surrogate: 1-Chlorooctane     | 55.5 |      | mg/kg | 50.0 |  | 111 | 28.3-164 |      |      |  |
| Surrogate: 1-Chlorooctadecane | 56.2 |      | mg/kg | 50.0 |  | 112 | 34.7-157 |      |      |  |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
03-Jul-17 16:18**Soluble (DI Water Extraction) - Quality Control****Green Analytical Laboratories**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B706277 - General Prep - Wet Chem****Blank (B706277-BLK1)**

Prepared &amp; Analyzed: 30-Jun-17

Chloride ND 1.00 mg/kg wet

**LCS (B706277-BS1)**

Prepared &amp; Analyzed: 30-Jun-17

Chloride 238 10.0 mg/kg wet 250 95.0 85-115

**LCS Dup (B706277-BSD1)**

Prepared &amp; Analyzed: 30-Jun-17

Chloride 239 10.0 mg/kg wet 250 95.4 85-115 0.433 20

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

---

Cardinal Laboratories

\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240

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

↓

Page 1 of 1

Page 8 of 8

|                              |  |   |              |  |                |
|------------------------------|--|---|--------------|--|----------------|
| Relinquished By:             |  | Date: 6/23/12   | Received By: | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
|                              |  | Time: 1405  |              | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   | Add'l Fax #:   |
| Relinquished By:             |  | Date: 6-23-12   | Received By: | REMARKS:   |                |
|                              |  | Time: 2:05  |              |  |                |
| Delivered By: (Circle One)   |  | Sample Condition  | CHECKED BY:  |  |                |
| Sampler - UPS - Bus - Other: |  | Cool <input type="checkbox"/> Intact <input type="checkbox"/> | (Initials)   |  |                |
|                              |  | <input type="checkbox"/> Yes <input type="checkbox"/> No      | 2.32         |  |                |
|                              |  | <input type="checkbox"/> No <input type="checkbox"/> No       | 10-#8        |  |                |

Please e-mail results to [zthomas@mewbourne.com](mailto:zthomas@mewbourne.com) & [ben@trinityoilfieldservices.com](mailto:ben@trinityoilfieldservices.com)



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

July 06, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 06/29/17 11:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
06-Jul-17 11:46

| Sample ID    | Laboratory ID | Matrix | Date Sampled    | Date Received   |
|--------------|---------------|--------|-----------------|-----------------|
| AH-1 @ 2.75' | H701713-01    | Soil   | 27-Jun-17 10:45 | 29-Jun-17 11:46 |
| AH-3 @ 4'    | H701713-02    | Soil   | 27-Jun-17 13:35 | 29-Jun-17 11:46 |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
06-Jul-17 11:46

### AH-1 @ 2.75' H701713-01 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|                                       |        |  |       |       |        |         |    |           |       |  |
|---------------------------------------|--------|--|-------|-------|--------|---------|----|-----------|-------|--|
| Benzene*                              | <0.050 |  | 0.050 | mg/kg | 50     | 7062903 | MS | 29-Jun-17 | 8021B |  |
| Toluene*                              | <0.050 |  | 0.050 | mg/kg | 50     | 7062903 | MS | 29-Jun-17 | 8021B |  |
| Ethylbenzene*                         | <0.050 |  | 0.050 | mg/kg | 50     | 7062903 | MS | 29-Jun-17 | 8021B |  |
| Total Xylenes*                        | <0.150 |  | 0.150 | mg/kg | 50     | 7062903 | MS | 29-Jun-17 | 8021B |  |
| Total BTEX                            | <0.300 |  | 0.300 | mg/kg | 50     | 7062903 | MS | 29-Jun-17 | 8021B |  |
| Surrogate: 4-Bromofluorobenzene (PID) |        |  | 102 % |       | 72-148 | 7062903 | MS | 29-Jun-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                               |       |  |        |       |          |         |    |           |       |  |
|-------------------------------|-------|--|--------|-------|----------|---------|----|-----------|-------|--|
| GRO C6-C10                    | <10.0 |  | 10.0   | mg/kg | 1        | 7062906 | MS | 30-Jun-17 | 8015B |  |
| DRO >C10-C28                  | 12.0  |  | 10.0   | mg/kg | 1        | 7062906 | MS | 30-Jun-17 | 8015B |  |
| EXT DRO >C28-C36              | 14.6  |  | 10.0   | mg/kg | 1        | 7062906 | MS | 30-Jun-17 | 8015B |  |
| Surrogate: 1-Chlorooctane     |       |  | 80.1 % |       | 28.3-164 | 7062906 | MS | 30-Jun-17 | 8015B |  |
| Surrogate: 1-Chlorooctadecane |       |  | 84.1 % |       | 34.7-157 | 7062906 | MS | 30-Jun-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 137 |  | 10.0 | mg/kg wet | 10 | B706277 | JDA | 30-Jun-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
06-Jul-17 11:46

### AH-3 @ 4' H701713-02 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7062903 | MS | 29-Jun-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7062903 | MS | 29-Jun-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7062903 | MS | 29-Jun-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7062903 | MS | 29-Jun-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7062903 | MS | 29-Jun-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7062903 | MS | 29-Jun-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7062906 | MS | 30-Jun-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7062906 | MS | 30-Jun-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7062906 | MS | 30-Jun-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 96.8 % | 28.3-164 |   | 7062906 | MS | 30-Jun-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 101 %  | 34.7-157 |   | 7062906 | MS | 30-Jun-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 206 |  | 10.0 | mg/kg wet | 10 | B706277 | JDA | 30-Jun-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
06-Jul-17 11:46

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 7062903 - Volatiles

##### Blank (7062903-BLK1)

Prepared & Analyzed: 29-Jun-17

|                                       |    |       |       |        |  |      |        |  |  |  |
|---------------------------------------|----|-------|-------|--------|--|------|--------|--|--|--|
| Benzene                               | ND | 0.050 | mg/kg |        |  |      |        |  |  |  |
| Toluene                               | ND | 0.050 | mg/kg |        |  |      |        |  |  |  |
| Ethylbenzene                          | ND | 0.050 | mg/kg |        |  |      |        |  |  |  |
| Total Xylenes                         | ND | 0.150 | mg/kg |        |  |      |        |  |  |  |
| Total BTX                             | ND | 0.300 | mg/kg |        |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | ND |       | mg/kg | 0.0500 |  | 99.0 | 72-148 |  |  |  |

##### LCS (7062903-BS1)

Prepared & Analyzed: 29-Jun-17

|                                       |        |       |       |        |  |      |          |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|--|--|--|
| Benzene                               | 2.16   | 0.050 | mg/kg | 2.00   |  | 108  | 79.5-124 |  |  |  |
| Toluene                               | 1.96   | 0.050 | mg/kg | 2.00   |  | 98.2 | 75.5-127 |  |  |  |
| Ethylbenzene                          | 2.04   | 0.050 | mg/kg | 2.00   |  | 102  | 77.7-125 |  |  |  |
| Total Xylenes                         | 6.08   | 0.150 | mg/kg | 6.00   |  | 101  | 70.9-124 |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0501 |       | mg/kg | 0.0500 |  | 100  | 72-148   |  |  |  |

##### LCS Dup (7062903-BSD1)

Prepared & Analyzed: 29-Jun-17

|                                       |        |       |       |        |  |      |          |      |      |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|------|------|--|
| Benzene                               | 2.13   | 0.050 | mg/kg | 2.00   |  | 106  | 79.5-124 | 1.42 | 6.5  |  |
| Toluene                               | 1.93   | 0.050 | mg/kg | 2.00   |  | 96.3 | 75.5-127 | 1.95 | 7.02 |  |
| Ethylbenzene                          | 2.00   | 0.050 | mg/kg | 2.00   |  | 99.9 | 77.7-125 | 1.92 | 7.83 |  |
| Total Xylenes                         | 6.00   | 0.150 | mg/kg | 6.00   |  | 100  | 70.9-124 | 1.31 | 7.78 |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0502 |       | mg/kg | 0.0500 |  | 100  | 72-148   |      |      |  |

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
06-Jul-17 11:46

### Petroleum Hydrocarbons by GC FID - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch 7062906 - General Prep - Organics

##### Blank (7062906-BLK1)

Prepared & Analyzed: 29-Jun-17

|                               |      |      |       |      |  |      |          |  |  |  |
|-------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| GRO C6-C10                    | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| DRO >C10-C28                  | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| EXT DRO >C28-C35              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| EXT DRO >C28-C36              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| Total TPH C6-C28              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| Surrogate: 1-Chlorooctane     | 49.0 |      | mg/kg | 50.0 |  | 98.0 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 51.1 |      | mg/kg | 50.0 |  | 102  | 34.7-157 |  |  |  |

##### LCS (7062906-BS1)

Prepared & Analyzed: 29-Jun-17

|                               |      |      |       |      |  |     |          |  |  |  |
|-------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10                    | 205  | 10.0 | mg/kg | 200  |  | 103 | 76.6-119 |  |  |  |
| DRO >C10-C28                  | 222  | 10.0 | mg/kg | 200  |  | 111 | 81.4-124 |  |  |  |
| Total TPH C6-C28              | 427  | 10.0 | mg/kg | 400  |  | 107 | 79.4-121 |  |  |  |
| Surrogate: 1-Chlorooctane     | 56.7 |      | mg/kg | 50.0 |  | 113 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 59.7 |      | mg/kg | 50.0 |  | 119 | 34.7-157 |  |  |  |

##### LCS Dup (7062906-BSD1)

Prepared & Analyzed: 29-Jun-17

|                               |      |      |       |      |  |     |          |      |      |  |
|-------------------------------|------|------|-------|------|--|-----|----------|------|------|--|
| GRO C6-C10                    | 210  | 10.0 | mg/kg | 200  |  | 105 | 76.6-119 | 2.25 | 7.94 |  |
| DRO >C10-C28                  | 228  | 10.0 | mg/kg | 200  |  | 114 | 81.4-124 | 2.84 | 9.83 |  |
| Total TPH C6-C28              | 438  | 10.0 | mg/kg | 400  |  | 110 | 79.4-121 | 2.56 | 8.57 |  |
| Surrogate: 1-Chlorooctane     | 58.0 |      | mg/kg | 50.0 |  | 116 | 28.3-164 |      |      |  |
| Surrogate: 1-Chlorooctadecane | 62.8 |      | mg/kg | 50.0 |  | 126 | 34.7-157 |      |      |  |

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: MERIT 32 DM ST. COM #1H  
 Project Number: MEWBOURNE  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 06-Jul-17 11:46

**Soluble (DI Water Extraction) - Quality Control**
**Green Analytical Laboratories**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B706277 - General Prep - Wet Chem**
**Blank (B706277-BLK1)**

Prepared &amp; Analyzed: 30-Jun-17

|          |    |      |           |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00 | mg/kg wet |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|

**LCS (B706277-BS1)**

Prepared &amp; Analyzed: 30-Jun-17

|          |     |      |           |     |  |      |        |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|
| Chloride | 238 | 10.0 | mg/kg wet | 250 |  | 95.0 | 85-115 |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|

**LCS Dup (B706277-BSD1)**

Prepared &amp; Analyzed: 30-Jun-17

|          |     |      |           |     |  |      |        |       |    |  |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|
| Chloride | 239 | 10.0 | mg/kg wet | 250 |  | 95.4 | 85-115 | 0.433 | 20 |  |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

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

---

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Celey D. Keene, Lab Director/Quality Manager



## Page 1 of 1

July 27, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 07/21/17 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
27-Jul-17 16:28

| Sample ID  | Laboratory ID | Matrix | Date Sampled    | Date Received   |
|------------|---------------|--------|-----------------|-----------------|
| AH-1 @ 8'  | H701908-01    | Soil   | 21-Jul-17 08:55 | 21-Jul-17 16:50 |
| AH-2 @ 10' | H701908-02    | Soil   | 21-Jul-17 09:50 | 21-Jul-17 16:50 |
| AH-3 @ 9'  | H701908-03    | Soil   | 21-Jul-17 09:30 | 21-Jul-17 16:50 |
| AH-4 @ 2'  | H701908-04    | Soil   | 21-Jul-17 10:00 | 21-Jul-17 16:50 |
| AH-4 @ 7'  | H701908-05    | Soil   | 21-Jul-17 10:15 | 21-Jul-17 16:50 |
| SP-2 @ 5'  | H701908-06    | Soil   | 21-Jul-17 08:35 | 21-Jul-17 16:50 |
| SP-3 @ 5'  | H701908-07    | Soil   | 21-Jul-17 08:25 | 21-Jul-17 16:50 |
| SP-4 @ 7'  | H701908-08    | Soil   | 21-Jul-17 09:05 | 21-Jul-17 16:50 |
| SP-5 @ 7'  | H701908-09    | Soil   | 21-Jul-17 09:15 | 21-Jul-17 16:50 |

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

### AH-1 @ 8' H701908-01 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|                                       |        |  |       |       |        |         |    |           |       |  |
|---------------------------------------|--------|--|-------|-------|--------|---------|----|-----------|-------|--|
| Benzene*                              | <0.050 |  | 0.050 | mg/kg | 50     | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Toluene*                              | <0.050 |  | 0.050 | mg/kg | 50     | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Ethylbenzene*                         | <0.050 |  | 0.050 | mg/kg | 50     | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total Xylenes*                        | <0.150 |  | 0.150 | mg/kg | 50     | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total BTEX                            | <0.300 |  | 0.300 | mg/kg | 50     | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Surrogate: 4-Bromofluorobenzene (PID) |        |  | 108 % |       | 72-148 | 7072402 | MS | 24-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                               |       |  |        |       |          |         |    |           |       |  |
|-------------------------------|-------|--|--------|-------|----------|---------|----|-----------|-------|--|
| GRO C6-C10                    | <10.0 |  | 10.0   | mg/kg | 1        | 7072401 | MS | 24-Jul-17 | 8015B |  |
| DRO >C10-C28                  | <10.0 |  | 10.0   | mg/kg | 1        | 7072401 | MS | 24-Jul-17 | 8015B |  |
| EXT DRO >C28-C36              | <10.0 |  | 10.0   | mg/kg | 1        | 7072401 | MS | 24-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctane     |       |  | 84.1 % |       | 28.3-164 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctadecane |       |  | 81.9 % |       | 34.7-157 | 7072401 | MS | 24-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 27.1 |  | 10.0 | mg/kg wet | 10 | B707202 | JDA | 26-Jul-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

### AH-2 @ 10' H701908-02 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 108 % | 72-148 |    | 7072402 | MS | 24-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 77.2 % | 28.3-164 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 75.2 % | 34.7-157 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 132 |  | 10.0 | mg/kg wet | 10 | B707202 | JDA | 27-Jul-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

### AH-3 @ 9' H701908-03 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 107 % | 72-148 |    | 7072402 | MS | 24-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 82.0 % | 28.3-164 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 77.6 % | 34.7-157 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 109 |  | 10.0 | mg/kg wet | 10 | B707202 | JDA | 27-Jul-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

### AH-4 @ 2' H701908-04 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 107 % | 72-148 |    | 7072402 | MS | 24-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 73.3 % | 28.3-164 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 74.2 % | 34.7-157 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 235 |  | 10.0 | mg/kg wet | 10 | B707202 | JDA | 27-Jul-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

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TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

### AH-4 @ 7' H701908-05 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 107 % | 72-148 |    | 7072402 | MS | 24-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 84.3 % | 28.3-164 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 80.3 % | 34.7-157 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 70.9 |  | 10.0 | mg/kg wet | 10 | B707202 | JDA | 27-Jul-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

**SP-2 @ 5'**  
**H701908-06 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 107 % | 72-148 |    | 7072402 | MS | 24-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 84.5 % | 28.3-164 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 76.2 % | 34.7-157 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 34.9 |  | 10.0 | mg/kg wet | 10 | B707202 | JDA | 27-Jul-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

**SP-3 @ 5'**  
**H701908-07 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 106 % | 72-148 |    | 7072402 | MS | 24-Jul-17 | 8021B |  |

**Petroleum Hydrocarbons by GC FID**

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 80.2 % | 28.3-164 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 77.9 % | 34.7-157 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 50.5 |  | 10.0 | mg/kg wet | 10 | B707202 | JDA | 27-Jul-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

**SP-4 @ 7'**  
**H701908-08 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 106 % | 72-148 |    | 7072402 | MS | 24-Jul-17 | 8021B |  |

**Petroleum Hydrocarbons by GC FID**

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 83.5 % | 28.3-164 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 77.2 % | 34.7-157 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

|          |       |  |      |           |    |         |     |           |          |  |
|----------|-------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | <10.0 |  | 10.0 | mg/kg wet | 10 | B707202 | JDA | 27-Jul-17 | EPA300.0 |  |
|----------|-------|--|------|-----------|----|---------|-----|-----------|----------|--|

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

**SP-5 @ 7'**  
**H701908-09 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072402 | MS | 24-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 107 % | 72-148 |    | 7072402 | MS | 24-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 89.4 % | 28.3-164 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 82.2 % | 34.7-157 |   | 7072401 | MS | 24-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 19.7 |  | 10.0 | mg/kg wet | 10 | B707202 | JDA | 27-Jul-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 7072402 - Volatiles

##### Blank (7072402-BLK1)

Prepared & Analyzed: 24-Jul-17

|                                       |        |       |       |        |  |     |        |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|-----|--------|--|--|--|
| Benzene                               | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Toluene                               | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Ethylbenzene                          | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Total Xylenes                         | ND     | 0.150 | mg/kg |        |  |     |        |  |  |  |
| Total BTX                             | ND     | 0.300 | mg/kg |        |  |     |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0536 |       | mg/kg | 0.0500 |  | 107 | 72-148 |  |  |  |

##### LCS (7072402-BS1)

Prepared & Analyzed: 24-Jul-17

|                                       |        |       |       |        |  |      |          |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|--|--|--|
| Benzene                               | 1.65   | 0.050 | mg/kg | 2.00   |  | 82.6 | 79.5-124 |  |  |  |
| Toluene                               | 1.82   | 0.050 | mg/kg | 2.00   |  | 90.9 | 75.5-127 |  |  |  |
| Ethylbenzene                          | 2.03   | 0.050 | mg/kg | 2.00   |  | 101  | 77.7-125 |  |  |  |
| Total Xylenes                         | 6.13   | 0.150 | mg/kg | 6.00   |  | 102  | 70.9-124 |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0515 |       | mg/kg | 0.0500 |  | 103  | 72-148   |  |  |  |

##### LCS Dup (7072402-BSD1)

Prepared & Analyzed: 24-Jul-17

|                                       |        |       |       |        |  |      |          |      |      |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|------|------|--|
| Benzene                               | 1.69   | 0.050 | mg/kg | 2.00   |  | 84.5 | 79.5-124 | 2.20 | 6.5  |  |
| Toluene                               | 1.86   | 0.050 | mg/kg | 2.00   |  | 93.2 | 75.5-127 | 2.55 | 7.02 |  |
| Ethylbenzene                          | 2.08   | 0.050 | mg/kg | 2.00   |  | 104  | 77.7-125 | 2.56 | 7.83 |  |
| Total Xylenes                         | 6.33   | 0.150 | mg/kg | 6.00   |  | 105  | 70.9-124 | 3.15 | 7.78 |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0529 |       | mg/kg | 0.0500 |  | 106  | 72-148   |      |      |  |

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
27-Jul-17 16:28

### Petroleum Hydrocarbons by GC FID - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch 7072401 - General Prep - Organics

##### Blank (7072401-BLK1)

Prepared & Analyzed: 24-Jul-17

|                               |      |      |       |      |  |      |          |  |  |  |
|-------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| GRO C6-C10                    | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| DRO >C10-C28                  | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| EXT DRO >C28-C35              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| EXT DRO >C28-C36              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| Total TPH C6-C28              | ND   | 10.0 | mg/kg |      |  |      |          |  |  |  |
| Surrogate: 1-Chlorooctane     | 45.4 |      | mg/kg | 50.0 |  | 90.7 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 42.1 |      | mg/kg | 50.0 |  | 84.3 | 34.7-157 |  |  |  |

##### LCS (7072401-BS1)

Prepared & Analyzed: 24-Jul-17

|                               |      |      |       |      |  |      |          |  |  |  |
|-------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| GRO C6-C10                    | 183  | 10.0 | mg/kg | 200  |  | 91.6 | 76.6-119 |  |  |  |
| DRO >C10-C28                  | 189  | 10.0 | mg/kg | 200  |  | 94.3 | 81.4-124 |  |  |  |
| Total TPH C6-C28              | 372  | 10.0 | mg/kg | 400  |  | 93.0 | 79.4-121 |  |  |  |
| Surrogate: 1-Chlorooctane     | 48.8 |      | mg/kg | 50.0 |  | 97.6 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 47.7 |      | mg/kg | 50.0 |  | 95.3 | 34.7-157 |  |  |  |

##### LCS Dup (7072401-BSD1)

Prepared & Analyzed: 24-Jul-17

|                               |      |      |       |      |  |      |          |       |      |  |
|-------------------------------|------|------|-------|------|--|------|----------|-------|------|--|
| GRO C6-C10                    | 186  | 10.0 | mg/kg | 200  |  | 92.8 | 76.6-119 | 1.25  | 7.94 |  |
| DRO >C10-C28                  | 188  | 10.0 | mg/kg | 200  |  | 93.8 | 81.4-124 | 0.539 | 9.83 |  |
| Total TPH C6-C28              | 373  | 10.0 | mg/kg | 400  |  | 93.3 | 79.4-121 | 0.346 | 8.57 |  |
| Surrogate: 1-Chlorooctane     | 49.3 |      | mg/kg | 50.0 |  | 98.7 | 28.3-164 |       |      |  |
| Surrogate: 1-Chlorooctadecane | 44.5 |      | mg/kg | 50.0 |  | 89.0 | 34.7-157 |       |      |  |

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: MERIT 32 DM ST. COM #1H  
 Project Number: MEWBOURNE  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 27-Jul-17 16:28

**Soluble (DI Water Extraction) - Quality Control**
**Green Analytical Laboratories**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B707202 - General Prep - Wet Chem**
**Blank (B707202-BLK1)**

Prepared: 25-Jul-17 Analyzed: 26-Jul-17

|          |    |      |           |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|
| Chloride | ND | 10.0 | mg/kg wet |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|

**LCS (B707202-BS1)**

Prepared: 25-Jul-17 Analyzed: 26-Jul-17

|          |     |      |           |     |  |      |        |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|
| Chloride | 240 | 10.0 | mg/kg wet | 250 |  | 96.1 | 85-115 |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|

**LCS Dup (B707202-BSD1)**

Prepared: 25-Jul-17 Analyzed: 26-Jul-17

|          |     |      |           |     |  |      |        |       |    |  |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|
| Chloride | 239 | 10.0 | mg/kg wet | 250 |  | 95.4 | 85-115 | 0.714 | 20 |  |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

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

Page 1 of 1

| Company Name: Trinity Oilfield Services & Rentals, LLC  |             |                                  |              | <b>BILL TO</b>             |            |      |     | <b>ANALYSIS REQUEST</b>  |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
|---|-------------|----------------------------------|--------------|----------------------------|------------|------|-----|--|---------|-----------|------------|-------|---------|------|-------------|--------------|----------------|--|--|------------------|--|-----------------|--------------|--------|--|--|--|--|---------|--|----------|--|------|------|-------------|--------------|----------------|----------|-------------|-------------|------------|------|-----|--------|-------|-----------|------------|-------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-----------|---|---|--|---|--|--|--|--|---|--|--|---------|------|---|---|---|--|---|------------|---|---|--|---|--|--|--|--|---|--|--|---------|------|---|---|---|--|---|-----------|---|---|--|---|--|--|--|--|---|--|--|---------|------|---|---|---|--|---|-----------|---|---|--|---|--|--|--|--|---|--|--|---------|------|---|---|---|--|---|-----------|---|---|--|---|--|--|--|--|---|--|--|---------|------|---|---|---|--|---|-----------|---|---|--|---|--|--|--|--|---|--|--|---------|------|---|---|---|--|---|-----------|---|---|--|---|--|--|--|--|---|--|--|---------|------|---|---|---|--|---|-----------|---|---|--|---|--|--|--|--|---|--|--|---------|------|---|---|---|--|---|-----------|---|---|--|---|--|--|--|--|---|--|--|---------|------|
| Project Manager: Ben J. Arguijo   |             |                                  |              | P.O. #:                    |            |      |     | <div style="display: flex; flex-direction: column; align-items: center;"> <div>Ext</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> <div>Chloride (300)</div> </div> |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| Address: P.O. Box 2587  |             |                                  |              | Company: Mewbourne Oil Co. |            |      |     |  |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| City: Hobbs   |             | State: NM Zip: 88241             |              | Attn: Zack Thomas          |            |      |     |  |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| Phone #: (575)390-7208  |             | Fax #:                           |              | Address: P.O. Box 5270     |            |      |     |  |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| Project #:  |             | Project Owner: Mewbourne Oil Co. |              | City: Hobbs                |            |      |     |  |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| Project Name: Merit 32 DM St. Com #1H   |             |                                  |              | State: NM Zip: 88241       |            |      |     |  |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| Project Location: Lea Co., NM   |             |                                  |              | Phone #: (575)393-5905     |            |      |     |  |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| Sampler Name: Ben J. Arguijo  |             |                                  |              | Fax #: (575) 397-6252      |            |      |     |  |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| <table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">GRAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="5">MATRIX</th> <th colspan="2">PRESERV</th> <th colspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> <th rowspan="2">TPH (8015M)</th> <th rowspan="2">BTEX (8021B)</th> <th rowspan="2">Chloride (300)</th> </tr> <tr> <th>Lab I.D.</th> <th>Sample I.D.</th> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER</th> </tr> </thead> <tbody> <tr> <td>47701908</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>1</td> <td>AH-1 @ 8'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0855</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>2</td> <td>AH-2 @ 10'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0950</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>3</td> <td>AH-3 @ 9'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0930</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>4</td> <td>AH-4 @ 2'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>1000</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>5</td> <td>AH-4 @ 7'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>1015</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>6</td> <td>SP-2 @ 5'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0835</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>7</td> <td>SP-3 @ 5'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0825</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>8</td> <td>SP-4 @ 7'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0905</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>9</td> <td>SP-5 @ 7'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0915</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> </tbody> </table> |             |                                  |              |                            |            |      |     |  |         |           |            |       |         |      |             |              |                |  |  | FOR LAB USE ONLY |  | GRAB OR (C)OMP. | # CONTAINERS | MATRIX |  |  |  |  | PRESERV |  | SAMPLING |  | DATE | TIME | TPH (8015M) | BTEX (8021B) | Chloride (300) | Lab I.D. | Sample I.D. | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | 47701908 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | AH-1 @ 8' | G | 1 |  | X |  |  |  |  | X |  |  | 7/21/17 | 0855 | X | X | X |  | 2 | AH-2 @ 10' | G | 1 |  | X |  |  |  |  | X |  |  | 7/21/17 | 0950 | X | X | X |  | 3 | AH-3 @ 9' | G | 1 |  | X |  |  |  |  | X |  |  | 7/21/17 | 0930 | X | X | X |  | 4 | AH-4 @ 2' | G | 1 |  | X |  |  |  |  | X |  |  | 7/21/17 | 1000 | X | X | X |  | 5 | AH-4 @ 7' | G | 1 |  | X |  |  |  |  | X |  |  | 7/21/17 | 1015 | X | X | X |  | 6 | SP-2 @ 5' | G | 1 |  | X |  |  |  |  | X |  |  | 7/21/17 | 0835 | X | X | X |  | 7 | SP-3 @ 5' | G | 1 |  | X |  |  |  |  | X |  |  | 7/21/17 | 0825 | X | X | X |  | 8 | SP-4 @ 7' | G | 1 |  | X |  |  |  |  | X |  |  | 7/21/17 | 0905 | X | X | X |  | 9 | SP-5 @ 7' | G | 1 |  | X |  |  |  |  | X |  |  | 7/21/17 | 0915 |
| FOR LAB USE ONLY  |             | GRAB OR (C)OMP.                  | # CONTAINERS | MATRIX                     |            |      |     |  | PRESERV |           | SAMPLING   |       | DATE    | TIME | TPH (8015M) | BTEX (8021B) | Chloride (300) |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| Lab I.D.  | Sample I.D. |                                  |              | GROUNDWATER                | WASTEWATER | SOIL | OIL | SLUDGE   | OTHER   | ACID/BASE | ICE / COOL | OTHER |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 47701908  |             |                                  |              |                            |            |      |     |  |         |           |            |       |         |      |             |              |                |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 1   | AH-1 @ 8'   | G                                | 1            |                            | X          |      |     |  |         | X         |            |       | 7/21/17 | 0855 | X           | X            | X              |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 2   | AH-2 @ 10'  | G                                | 1            |                            | X          |      |     |  |         | X         |            |       | 7/21/17 | 0950 | X           | X            | X              |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 3   | AH-3 @ 9'   | G                                | 1            |                            | X          |      |     |  |         | X         |            |       | 7/21/17 | 0930 | X           | X            | X              |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 4   | AH-4 @ 2'   | G                                | 1            |                            | X          |      |     |  |         | X         |            |       | 7/21/17 | 1000 | X           | X            | X              |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 5   | AH-4 @ 7'   | G                                | 1            |                            | X          |      |     |  |         | X         |            |       | 7/21/17 | 1015 | X           | X            | X              |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 6   | SP-2 @ 5'   | G                                | 1            |                            | X          |      |     |  |         | X         |            |       | 7/21/17 | 0835 | X           | X            | X              |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 7   | SP-3 @ 5'   | G                                | 1            |                            | X          |      |     |  |         | X         |            |       | 7/21/17 | 0825 | X           | X            | X              |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 8   | SP-4 @ 7'   | G                                | 1            |                            | X          |      |     |  |         | X         |            |       | 7/21/17 | 0905 | X           | X            | X              |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |
| 9   | SP-5 @ 7'   | G                                | 1            |                            | X          |      |     |  |         | X         |            |       | 7/21/17 | 0915 | X           | X            | X              |  |  |                  |  |                 |              |        |  |  |  |  |         |  |          |  |      |      |             |              |                |          |             |             |            |      |     |        |       |           |            |       |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |            |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |   |   |   |  |   |           |   |   |  |   |  |  |  |  |   |  |  |         |      |

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|  |   |                        |  |
|--|---|------------------------|--|
| Relinquished By:                             | Date: 7/21/17<br>Time: 10:50  | Received By:           | 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 #:            |
| Delivered By: (Circle One) 3.22              |   |                        | REMARKS:<br>Please e-mail results to zthomas@mewbourne.com & ben@trinityoilfieldservices.com |
| Sampler - UPS - Bus - Other: Corrected 3.450 |   |                        |  |
| Sample Condition                             |   | CHECKED BY: (Initials) |  |
| Cool Intact                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | T.P. #25               | * Ext Delo as per Ben. 7/27/17. ch   |



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

August 10, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 07/27/17 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

| Sample ID      | Laboratory ID | Matrix | Date Sampled    | Date Received   |
|----------------|---------------|--------|-----------------|-----------------|
| WALL # 1       | H701969-01    | Soil   | 26-Jul-17 08:30 | 27-Jul-17 14:02 |
| WALL # 2       | H701969-02    | Soil   | 26-Jul-17 08:35 | 27-Jul-17 14:02 |
| WALL # 3       | H701969-03    | Soil   | 26-Jul-17 08:40 | 27-Jul-17 14:02 |
| WALL # 4       | H701969-04    | Soil   | 26-Jul-17 09:20 | 27-Jul-17 14:02 |
| WALL # 5       | H701969-05    | Soil   | 26-Jul-17 09:50 | 27-Jul-17 14:02 |
| WALL # 6       | H701969-06    | Soil   | 26-Jul-17 11:10 | 27-Jul-17 14:02 |
| WALL # 7       | H701969-07    | Soil   | 26-Jul-17 10:40 | 27-Jul-17 14:02 |
| WALL # 8       | H701969-08    | Soil   | 26-Jul-17 11:00 | 27-Jul-17 14:02 |
| WALL # 9       | H701969-09    | Soil   | 26-Jul-17 11:25 | 27-Jul-17 14:02 |
| WALL # 10      | H701969-10    | Soil   | 26-Jul-17 11:50 | 27-Jul-17 14:02 |
| WALL # 11      | H701969-11    | Soil   | 26-Jul-17 13:30 | 27-Jul-17 14:02 |
| WALL # 12      | H701969-12    | Soil   | 26-Jul-17 13:35 | 27-Jul-17 14:02 |
| WALL # 13      | H701969-13    | Soil   | 26-Jul-17 14:00 | 27-Jul-17 14:02 |
| WALL # 14      | H701969-14    | Soil   | 26-Jul-17 14:05 | 27-Jul-17 14:02 |
| WALL # 15      | H701969-15    | Soil   | 26-Jul-17 14:10 | 27-Jul-17 14:02 |
| WALL # 16      | H701969-16    | Soil   | 26-Jul-17 14:30 | 27-Jul-17 14:02 |
| WALL # 17      | H701969-17    | Soil   | 26-Jul-17 14:50 | 27-Jul-17 14:02 |
| WALL # 18      | H701969-18    | Soil   | 26-Jul-17 14:55 | 27-Jul-17 14:02 |
| WALL # 19      | H701969-19    | Soil   | 26-Jul-17 15:10 | 27-Jul-17 14:02 |
| WALL # 20      | H701969-20    | Soil   | 26-Jul-17 15:15 | 27-Jul-17 14:02 |
| FLOOR # 1      | H701969-21    | Soil   | 26-Jul-17 15:20 | 27-Jul-17 14:02 |
| FLOOR # 2      | H701969-22    | Soil   | 26-Jul-17 15:25 | 27-Jul-17 14:02 |
| FLOOR # 3      | H701969-23    | Soil   | 26-Jul-17 15:30 | 27-Jul-17 14:02 |
| OVERSPRAY AREA | H701969-24    | Soil   | 26-Jul-17 15:40 | 27-Jul-17 14:02 |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

**WALL # 1**  
**H701969-01 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072807 | MS | 29-Jul-17 | 8021B |  |

**Petroleum Hydrocarbons by GC FID**

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 99.6 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 104 %  | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 99.6 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 2 H701969-02 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 101 % | 72-148 |    | 7072807 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |             |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0       |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <b>DRO &gt;C10-C28</b>               | <b>38.3</b> |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <b>EXT DRO &gt;C28-C36</b>           | <b>45.8</b> |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |             |  | 94.5 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |             |  | 98.8 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 464 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 3 H701969-03 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 103 % | 72-148 |    | 7072807 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 95.2 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 95.4 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

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#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 557 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 4 H701969-04 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 103 % | 72-148 |    | 7072807 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 89.1 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 93.1 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 199 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

**WALL # 5**  
**H701969-05 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072807 | MS | 29-Jul-17 | 8021B |  |

**Petroleum Hydrocarbons by GC FID**

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 96.5 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 100 %  | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 192 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 6 H701969-06 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 101 % | 72-148 |    | 7072807 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 86.9 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 87.1 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 896 |  | 24.0 | mg/kg wet | 24 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 7 H701969-07 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072807 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 96.6 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 96.9 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 253 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 8 H701969-08 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072807 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 92.8 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 97.8 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 116 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 9 H701969-09 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072807 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 101 % | 72-148 |    | 7072807 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 89.3 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 104 %  | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 245 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

**WALL # 10**  
**H701969-10 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 101 % | 72-148 |    | 7072808 | MS | 29-Jul-17 | 8021B |  |

**Petroleum Hydrocarbons by GC FID**

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 78.3 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 78.7 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 130 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 11 H701969-11 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 100 % | 72-148 |    | 7072808 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 80.4 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 85.0 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 1290 |  | 48.0 | mg/kg wet | 48 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 12 H701969-12 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 101 % | 72-148 |    | 7072808 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 86.7 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 87.0 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 612 |  | 24.0 | mg/kg wet | 24 | B708044 | JDA | 09-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

**WALL # 13**  
**H701969-13 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072808 | MS | 29-Jul-17 | 8021B |  |

**Petroleum Hydrocarbons by GC FID**

|                                      |       |  |       |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|-------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0  | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0  | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0  | mg/kg    | 1 | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 102 % | 28.3-164 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 106 % | 34.7-157 |   | 7072802 | MS | 28-Jul-17 | 8015B |  |

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 70.4 |  | 12.0 | mg/kg wet | 12 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

**WALL # 14**  
**H701969-14 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072808 | MS | 29-Jul-17 | 8021B |  |

**Petroleum Hydrocarbons by GC FID**

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 98.9 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 106 %  | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 166 |  | 10.0 | mg/kg wet | 10 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 15 H701969-15 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|                                       |        |  |       |        |    |         |    |           |       |  |
|---------------------------------------|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                         | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                        | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                            | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Surrogate: 4-Bromofluorobenzene (PID) |        |  | 102 % | 72-148 |    | 7072808 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                               |       |  |       |          |   |         |    |           |       |  |
|-------------------------------|-------|--|-------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                    | <10.0 |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| DRO >C10-C28                  | 75.7  |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| EXT DRO >C28-C36              | 64.9  |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctane     |       |  | 100 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctadecane |       |  | 112 % | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |       |  |     |           |     |         |     |           |          |  |
|----------|-------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 10700 |  | 500 | mg/kg wet | 500 | B708044 | JDA | 09-Aug-17 | EPA300.0 |  |
|----------|-------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 16 H701969-16 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072808 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 92.3 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 93.2 % | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 104 |  | 10.0 | mg/kg wet | 10 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 17 H701969-17 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 29-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072808 | MS | 29-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |       |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|-------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 101 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 105 % | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 27.1 |  | 10.0 | mg/kg wet | 10 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 18 H701969-18 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 101 % | 72-148 |    | 7072808 | MS | 30-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |             |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0       |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <b>DRO &gt;C10-C28</b>               | <b>14.7</b> |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <b>EXT DRO &gt;C28-C36</b>           | <b>11.3</b> |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |             |  | 88.8 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |             |  | 94.5 % | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 31.7 |  | 10.0 | mg/kg wet | 10 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### WALL # 19 H701969-19 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 103 % | 72-148 |    | 7072808 | MS | 30-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 98.9 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 102 %  | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 193 |  | 10.0 | mg/kg wet | 10 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

**WALL # 20**  
**H701969-20 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 106 % | 72-148 |    | 7072808 | MS | 30-Jul-17 | 8021B |  |

**Petroleum Hydrocarbons by GC FID**

|                                      |            |  |        |          |   |         |    |           |       |  |
|--------------------------------------|------------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0      |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <b>DRO &gt;C10-C28</b>               | <b>918</b> |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <b>EXT DRO &gt;C28-C36</b>           | <b>253</b> |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |            |  | 95.6 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |            |  | 134 %  | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 187 |  | 10.0 | mg/kg wet | 10 | B708044 | JDA | 08-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### FLOOR # 1 H701969-21 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072808 | MS | 30-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                                      |             |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0       |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0       |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <b>EXT DRO &gt;C28-C36</b>           | <b>15.3</b> |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |             |  | 94.0 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |             |  | 97.8 % | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 41.9 |  | 10.0 | mg/kg wet | 10 | B708046 | JDA | 09-Aug-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### FLOOR # 2 H701969-22 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|                                       |        |  |       |        |    |         |    |           |       |  |
|---------------------------------------|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Toluene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Ethylbenzene*                         | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total Xylenes*                        | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total BTEX                            | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Surrogate: 4-Bromofluorobenzene (PID) |        |  | 104 % | 72-148 |    | 7072808 | MS | 30-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                               |       |  |       |          |   |         |    |           |       |  |
|-------------------------------|-------|--|-------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                    | <10.0 |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| DRO >C10-C28                  | <10.0 |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| EXT DRO >C28-C36              | <10.0 |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctane     |       |  | 110 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctadecane |       |  | 116 % | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |     |           |     |         |     |           |          |  |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 6480 |  | 200 | mg/kg wet | 200 | B708046 | JDA | 09-Aug-17 | EPA300.0 |  |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### FLOOR # 3 H701969-23 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|                                       |        |  |       |        |    |         |    |           |       |  |
|---------------------------------------|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Toluene*                              | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Ethylbenzene*                         | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total Xylenes*                        | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total BTEX                            | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Surrogate: 4-Bromofluorobenzene (PID) |        |  | 103 % | 72-148 |    | 7072808 | MS | 30-Jul-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                               |       |  |       |          |   |         |    |           |       |  |
|-------------------------------|-------|--|-------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                    | <10.0 |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| DRO >C10-C28                  | 55.2  |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| EXT DRO >C28-C36              | 21.0  |  | 10.0  | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctane     |       |  | 106 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| Surrogate: 1-Chlorooctadecane |       |  | 119 % | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

#### Green Analytical Laboratories

#### Soluble (DI Water Extraction)

|          |      |  |     |           |     |         |     |           |          |  |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 4660 |  | 200 | mg/kg wet | 200 | B708046 | JDA | 09-Aug-17 | EPA300.0 |  |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

**OVERSPRAY AREA**
**H701969-24 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

|  |        |  |       |        |    |         |    |           |       |  |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Toluene*                                     | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Ethylbenzene*                                | <0.050 |  | 0.050 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total Xylenes*                               | <0.150 |  | 0.150 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| Total BTEX                                   | <0.300 |  | 0.300 | mg/kg  | 50 | 7072808 | MS | 30-Jul-17 | 8021B |  |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> |        |  | 102 % | 72-148 |    | 7072808 | MS | 30-Jul-17 | 8021B |  |

**Petroleum Hydrocarbons by GC FID**

|                                      |       |  |        |          |   |         |    |           |       |  |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10                           | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| DRO >C10-C28                         | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| EXT DRO >C28-C36                     | <10.0 |  | 10.0   | mg/kg    | 1 | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctane</i>     |       |  | 91.5 % | 28.3-164 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |
| <i>Surrogate: 1-Chlorooctadecane</i> |       |  | 96.6 % | 34.7-157 |   | 7072806 | MS | 29-Jul-17 | 8015B |  |

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 24.0 |  | 10.0 | mg/kg wet | 10 | B708046 | JDA | 09-Aug-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 7072807 - Volatiles

##### Blank (7072807-BLK1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

|                                       |        |       |       |        |  |     |        |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|-----|--------|--|--|--|
| Benzene                               | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Toluene                               | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Ethylbenzene                          | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Total Xylenes                         | ND     | 0.150 | mg/kg |        |  |     |        |  |  |  |
| Total BTEX                            | ND     | 0.300 | mg/kg |        |  |     |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0508 |       | mg/kg | 0.0500 |  | 102 | 72-148 |  |  |  |

##### LCS (7072807-BS1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

|                                       |        |       |       |        |  |      |          |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|--|--|--|
| Benzene                               | 1.91   | 0.050 | mg/kg | 2.00   |  | 95.3 | 79.5-124 |  |  |  |
| Toluene                               | 1.79   | 0.050 | mg/kg | 2.00   |  | 89.6 | 75.5-127 |  |  |  |
| Ethylbenzene                          | 1.84   | 0.050 | mg/kg | 2.00   |  | 92.1 | 77.7-125 |  |  |  |
| Total Xylenes                         | 5.59   | 0.150 | mg/kg | 6.00   |  | 93.1 | 70.9-124 |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0488 |       | mg/kg | 0.0500 |  | 97.6 | 72-148   |  |  |  |

##### LCS Dup (7072807-BSD1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

|                                       |        |       |       |        |  |      |          |       |      |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|-------|------|--|
| Benzene                               | 1.89   | 0.050 | mg/kg | 2.00   |  | 94.3 | 79.5-124 | 1.01  | 6.5  |  |
| Toluene                               | 1.81   | 0.050 | mg/kg | 2.00   |  | 90.3 | 75.5-127 | 0.801 | 7.02 |  |
| Ethylbenzene                          | 1.85   | 0.050 | mg/kg | 2.00   |  | 92.3 | 77.7-125 | 0.169 | 7.83 |  |
| Total Xylenes                         | 5.66   | 0.150 | mg/kg | 6.00   |  | 94.3 | 70.9-124 | 1.29  | 7.78 |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0498 |       | mg/kg | 0.0500 |  | 99.6 | 72-148   |       |      |  |

#### Batch 7072808 - Volatiles

##### Blank (7072808-BLK1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

|                                       |        |       |       |        |  |     |        |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|-----|--------|--|--|--|
| Benzene                               | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Toluene                               | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Ethylbenzene                          | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Total Xylenes                         | ND     | 0.150 | mg/kg |        |  |     |        |  |  |  |
| Total BTEX                            | ND     | 0.300 | mg/kg |        |  |     |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0501 |       | mg/kg | 0.0500 |  | 100 | 72-148 |  |  |  |

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch 7072808 - Volatiles

##### LCS (7072808-BS1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

|                                       |        |       |       |        |  |      |          |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|--|--|--|
| Benzene                               | 1.93   | 0.050 | mg/kg | 2.00   |  | 96.6 | 79.5-124 |  |  |  |
| Toluene                               | 1.80   | 0.050 | mg/kg | 2.00   |  | 89.9 | 75.5-127 |  |  |  |
| Ethylbenzene                          | 1.88   | 0.050 | mg/kg | 2.00   |  | 93.9 | 77.7-125 |  |  |  |
| Total Xylenes                         | 5.68   | 0.150 | mg/kg | 6.00   |  | 94.6 | 70.9-124 |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0498 |       | mg/kg | 0.0500 |  | 99.7 | 72-148   |  |  |  |

##### LCS Dup (7072808-BS1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

|                                       |        |       |       |        |  |      |          |       |      |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|-------|------|--|
| Benzene                               | 1.94   | 0.050 | mg/kg | 2.00   |  | 96.9 | 79.5-124 | 0.304 | 6.5  |  |
| Toluene                               | 1.81   | 0.050 | mg/kg | 2.00   |  | 90.6 | 75.5-127 | 0.754 | 7.02 |  |
| Ethylbenzene                          | 1.87   | 0.050 | mg/kg | 2.00   |  | 93.5 | 77.7-125 | 0.466 | 7.83 |  |
| Total Xylenes                         | 5.65   | 0.150 | mg/kg | 6.00   |  | 94.2 | 70.9-124 | 0.464 | 7.78 |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0502 |       | mg/kg | 0.0500 |  | 100  | 72-148   |       |      |  |

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Celey D. Keene, Lab Director/Quality Manager

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TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### Petroleum Hydrocarbons by GC FID - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 7072802 - General Prep - Organics

##### Blank (7072802-BLK1)

Prepared & Analyzed: 28-Jul-17

|                               |      |      |       |      |  |     |          |  |  |  |
|-------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10                    | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| DRO >C10-C28                  | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| EXT DRO >C28-C35              | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| EXT DRO >C28-C36              | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| Total TPH C6-C28              | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| Surrogate: 1-Chlorooctane     | 51.7 |      | mg/kg | 50.0 |  | 103 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 56.0 |      | mg/kg | 50.0 |  | 112 | 34.7-157 |  |  |  |

##### LCS (7072802-BS1)

Prepared & Analyzed: 28-Jul-17

|                               |      |      |       |      |  |      |          |  |  |  |
|-------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| GRO C6-C10                    | 198  | 10.0 | mg/kg | 200  |  | 99.1 | 76.6-119 |  |  |  |
| DRO >C10-C28                  | 211  | 10.0 | mg/kg | 200  |  | 105  | 81.4-124 |  |  |  |
| Total TPH C6-C28              | 409  | 10.0 | mg/kg | 400  |  | 102  | 79.4-121 |  |  |  |
| Surrogate: 1-Chlorooctane     | 55.2 |      | mg/kg | 50.0 |  | 110  | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 59.5 |      | mg/kg | 50.0 |  | 119  | 34.7-157 |  |  |  |

##### LCS Dup (7072802-BSD1)

Prepared & Analyzed: 28-Jul-17

|                               |      |      |       |      |  |      |          |      |      |       |
|-------------------------------|------|------|-------|------|--|------|----------|------|------|-------|
| GRO C6-C10                    | 179  | 10.0 | mg/kg | 200  |  | 89.5 | 76.6-119 | 10.1 | 7.94 | QR-02 |
| DRO >C10-C28                  | 193  | 10.0 | mg/kg | 200  |  | 96.5 | 81.4-124 | 8.90 | 9.83 |       |
| Total TPH C6-C28              | 372  | 10.0 | mg/kg | 400  |  | 93.0 | 79.4-121 | 9.48 | 8.57 | QR-02 |
| Surrogate: 1-Chlorooctane     | 49.8 |      | mg/kg | 50.0 |  | 99.6 | 28.3-164 |      |      |       |
| Surrogate: 1-Chlorooctadecane | 53.8 |      | mg/kg | 50.0 |  | 108  | 34.7-157 |      |      |       |

#### Batch 7072806 - General Prep - Organics

##### Blank (7072806-BLK1)

Prepared & Analyzed: 28-Jul-17

|                               |      |      |       |      |  |     |          |  |  |  |
|-------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10                    | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| DRO >C10-C28                  | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| EXT DRO >C28-C35              | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| EXT DRO >C28-C36              | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| Total TPH C6-C28              | ND   | 10.0 | mg/kg |      |  |     |          |  |  |  |
| Surrogate: 1-Chlorooctane     | 55.1 |      | mg/kg | 50.0 |  | 110 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 59.3 |      | mg/kg | 50.0 |  | 119 | 34.7-157 |  |  |  |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
10-Aug-17 09:50

### Petroleum Hydrocarbons by GC FID - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch 7072806 - General Prep - Organics

##### LCS (7072806-BS1)

Prepared & Analyzed: 28-Jul-17

|                               |      |      |       |      |  |     |          |  |  |  |
|-------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10                    | 216  | 10.0 | mg/kg | 200  |  | 108 | 76.6-119 |  |  |  |
| DRO >C10-C28                  | 227  | 10.0 | mg/kg | 200  |  | 114 | 81.4-124 |  |  |  |
| Total TPH C6-C28              | 443  | 10.0 | mg/kg | 400  |  | 111 | 79.4-121 |  |  |  |
| Surrogate: 1-Chlorooctane     | 62.1 |      | mg/kg | 50.0 |  | 124 | 28.3-164 |  |  |  |
| Surrogate: 1-Chlorooctadecane | 65.6 |      | mg/kg | 50.0 |  | 131 | 34.7-157 |  |  |  |

##### LCS Dup (7072806-BS1)

Prepared & Analyzed: 28-Jul-17

|                               |      |      |       |      |  |     |          |      |      |  |
|-------------------------------|------|------|-------|------|--|-----|----------|------|------|--|
| GRO C6-C10                    | 210  | 10.0 | mg/kg | 200  |  | 105 | 76.6-119 | 2.77 | 7.94 |  |
| DRO >C10-C28                  | 222  | 10.0 | mg/kg | 200  |  | 111 | 81.4-124 | 2.33 | 9.83 |  |
| Total TPH C6-C28              | 432  | 10.0 | mg/kg | 400  |  | 108 | 79.4-121 | 2.54 | 8.57 |  |
| Surrogate: 1-Chlorooctane     | 60.5 |      | mg/kg | 50.0 |  | 121 | 28.3-164 |      |      |  |
| Surrogate: 1-Chlorooctadecane | 65.8 |      | mg/kg | 50.0 |  | 132 | 34.7-157 |      |      |  |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: MERIT 32 DM ST. COM #1H  
 Project Number: MEWBOURNE  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 10-Aug-17 09:50

**Soluble (DI Water Extraction) - Quality Control**
**Green Analytical Laboratories**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B708044 - General Prep - Wet Chem**
**Blank (B708044-BLK1)**

Prepared: 07-Aug-17 Analyzed: 08-Aug-17

|          |    |      |           |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|
| Chloride | ND | 10.0 | mg/kg wet |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|

**LCS (B708044-BS1)**

Prepared: 07-Aug-17 Analyzed: 08-Aug-17

|          |     |      |           |     |  |      |        |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|
| Chloride | 232 | 10.0 | mg/kg wet | 250 |  | 92.9 | 85-115 |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|

**LCS Dup (B708044-BSD1)**

Prepared: 07-Aug-17 Analyzed: 08-Aug-17

|          |     |      |           |     |  |      |        |      |    |  |
|----------|-----|------|-----------|-----|--|------|--------|------|----|--|
| Chloride | 235 | 10.0 | mg/kg wet | 250 |  | 94.0 | 85-115 | 1.20 | 20 |  |
|----------|-----|------|-----------|-----|--|------|--------|------|----|--|

**Batch B708046 - General Prep - Wet Chem**
**Blank (B708046-BLK1)**

Prepared: 07-Aug-17 Analyzed: 09-Aug-17

|          |    |      |           |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00 | mg/kg wet |  |  |  |  |  |  |  |
|----------|----|------|-----------|--|--|--|--|--|--|--|

**LCS (B708046-BS1)**

Prepared: 07-Aug-17 Analyzed: 09-Aug-17

|          |     |      |           |     |  |      |        |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|
| Chloride | 239 | 10.0 | mg/kg wet | 250 |  | 95.7 | 85-115 |  |  |  |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|

**LCS Dup (B708046-BSD1)**

Prepared: 07-Aug-17 Analyzed: 09-Aug-17

|          |     |      |           |     |  |      |        |       |    |  |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|
| Chloride | 242 | 10.0 | mg/kg wet | 250 |  | 96.6 | 85-115 | 0.915 | 20 |  |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

|       |   |
|-------|---|
| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report  |

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Celey D. Keene, Lab Director/Quality Manager



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

## Page 1 of 3

|                              |  |   |   |  |                |
|------------------------------|--|---|---|--|----------------|
| Relinquished By:             |  | Date:   | Received By:  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| [Signature]                  |  | Time:   | [Signature]   | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   | Add'l Fax #:   |
| Relinquished By:             |  | Date:   | Received By:  | REMARKS:   |                |
| [Signature]                  |  | Time:   | [Signature]   |  |                |
| Delivered By: (Circle One)   |  | Sample Condition  | CHECKED BY:   | Please e-mail results to zthomas@mewbourne.com                         |                |
| - 2.4°C                      |  | Cool Intact   | (Initials)  | & ben@trinityoilfieldservices.com                                      |                |
| Sampler - UPS - Bus - Other: |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  |                |
| Corrected - 2.15°C           |  | TC #75  |   |  |                |



101 East Marland, Hobbs, NM 88240

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

## Page 2 of 3

|   |  |  |                                 |  |                      |
|---|--|--|---------------------------------|--|----------------------|
| Relinquished By: <u>Wesley Bennett</u>              |  | Date: <u>12/12</u>   | Received By: <u>Janara Olds</u> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: _____ |
| Time: <u>2:00p</u>                                  |  |  |                                 | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   | Add'l Fax #: _____   |
| Relinquished By: _____                              |  | Date: _____  | Received By: _____              | REMARKS: _____   |                      |
| Time: _____   |  |  |                                 |  |                      |
| Delivered By: (Circle One) <u>-2.42</u>             |  | Sample Condition   |                                 | CHECKED BY:  |                      |
| Sampler - UPS - Bus - Other: <u>Corrected -2.15</u> |  | Cool Intact<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                 | (Initials)<br><u>TR #75</u>  |                      |

Please e-mail results to [zthomas@mewbourne.com](mailto:zthomas@mewbourne.com) & [ben@trinityoilfieldservices.com](mailto:ben@trinityoilfieldservices.com)



## Page 3 of 3

|  |  |                      |  |  |                |
|--|--|----------------------|--|--|----------------|
| Relinquished By: <i>Wesley Bennett</i>             |  | Date: <i>7/27/12</i> | Received By: <i>Samara Olds Kyle</i>                                     | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Time: <i>2:28 PM</i>                               |  |                      |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   | Add'l Fax #:   |
| Relinquished By:                                   |  | Date:                | Received By:   | REMARKS:   |                |
| Time:  |  |                      |  |  |                |
| Delivered By: (Circle One) <i>-24E</i>             |  |                      | Sample Condition   | CHECKED BY:  |                |
| Sampler - UPS - Bus - Other: <i>Corrected -25E</i> |  |                      | Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | (Initials)   |                |
|  |  |                      | Intact <input type="checkbox"/> Yes <input type="checkbox"/> No          | <i>TQ #15</i>  |                |

Please e-mail results to [zthomas@mewbourne.com](mailto:zthomas@mewbourne.com) & [ben@trinityoilfieldservices.com](mailto:ben@trinityoilfieldservices.com)



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

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August 17, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 08/11/17 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
17-Aug-17 11:49

| Sample ID  | Laboratory ID | Matrix | Date Sampled    | Date Received   |
|------------|---------------|--------|-----------------|-----------------|
| WALL # 20B | H702130-01    | Soil   | 11-Aug-17 15:15 | 11-Aug-17 16:30 |
| WALL # 3B  | H702130-02    | Soil   | 11-Aug-17 16:00 | 11-Aug-17 16:30 |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
17-Aug-17 11:49

### WALL # 20B H702130-01 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

#### Cardinal Laboratories

#### Volatile Organic Compounds by EPA Method 8021

|                                       |        |  |       |       |        |         |    |           |       |  |
|---------------------------------------|--------|--|-------|-------|--------|---------|----|-----------|-------|--|
| Benzene*                              | <0.050 |  | 0.050 | mg/kg | 50     | 7081614 | MS | 14-Aug-17 | 8021B |  |
| Toluene*                              | <0.050 |  | 0.050 | mg/kg | 50     | 7081614 | MS | 14-Aug-17 | 8021B |  |
| Ethylbenzene*                         | <0.050 |  | 0.050 | mg/kg | 50     | 7081614 | MS | 14-Aug-17 | 8021B |  |
| Total Xylenes*                        | <0.150 |  | 0.150 | mg/kg | 50     | 7081614 | MS | 14-Aug-17 | 8021B |  |
| Total BTEX                            | <0.300 |  | 0.300 | mg/kg | 50     | 7081614 | MS | 14-Aug-17 | 8021B |  |
| Surrogate: 4-Bromofluorobenzene (PID) |        |  | 104 % |       | 72-148 | 7081614 | MS | 14-Aug-17 | 8021B |  |

#### Petroleum Hydrocarbons by GC FID

|                               |       |  |        |       |          |         |    |           |       |  |
|-------------------------------|-------|--|--------|-------|----------|---------|----|-----------|-------|--|
| GRO C6-C10                    | <10.0 |  | 10.0   | mg/kg | 1        | 7081629 | MS | 14-Aug-17 | 8015B |  |
| DRO >C10-C28                  | <10.0 |  | 10.0   | mg/kg | 1        | 7081629 | MS | 14-Aug-17 | 8015B |  |
| EXT DRO >C28-C36              | <10.0 |  | 10.0   | mg/kg | 1        | 7081629 | MS | 14-Aug-17 | 8015B |  |
| Surrogate: 1-Chlorooctane     |       |  | 83.0 % |       | 28.3-164 | 7081629 | MS | 14-Aug-17 | 8015B |  |
| Surrogate: 1-Chlorooctadecane |       |  | 89.5 % |       | 34.7-157 | 7081629 | MS | 14-Aug-17 | 8015B |  |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
17-Aug-17 11:49**WALL # 3B**  
**H702130-02 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 144 |  | 10.0 | mg/kg wet | 10 | B708132 | JDA | 16-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
17-Aug-17 11:49

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch 7081614 - Volatiles

##### Blank (7081614-BLK1)

Prepared & Analyzed: 14-Aug-17

|                                       |        |       |       |        |  |     |        |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|-----|--------|--|--|--|
| Benzene                               | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Toluene                               | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Ethylbenzene                          | ND     | 0.050 | mg/kg |        |  |     |        |  |  |  |
| Total Xylenes                         | ND     | 0.150 | mg/kg |        |  |     |        |  |  |  |
| Total BTX                             | ND     | 0.300 | mg/kg |        |  |     |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0513 |       | mg/kg | 0.0500 |  | 103 | 72-148 |  |  |  |

##### LCS (7081614-BS1)

Prepared & Analyzed: 14-Aug-17

|                                       |        |       |       |        |  |      |          |  |  |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|--|--|--|
| Benzene                               | 1.95   | 0.050 | mg/kg | 2.00   |  | 97.4 | 79.5-124 |  |  |  |
| Toluene                               | 1.81   | 0.050 | mg/kg | 2.00   |  | 90.3 | 75.5-127 |  |  |  |
| Ethylbenzene                          | 1.89   | 0.050 | mg/kg | 2.00   |  | 94.6 | 77.7-125 |  |  |  |
| Total Xylenes                         | 5.66   | 0.150 | mg/kg | 6.00   |  | 94.3 | 70.9-124 |  |  |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0509 |       | mg/kg | 0.0500 |  | 102  | 72-148   |  |  |  |

##### LCS Dup (7081614-BSD1)

Prepared & Analyzed: 14-Aug-17

|                                       |        |       |       |        |  |      |          |      |      |  |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|------|------|--|
| Benzene                               | 1.98   | 0.050 | mg/kg | 2.00   |  | 98.8 | 79.5-124 | 1.41 | 6.5  |  |
| Toluene                               | 1.86   | 0.050 | mg/kg | 2.00   |  | 93.0 | 75.5-127 | 3.03 | 7.02 |  |
| Ethylbenzene                          | 1.94   | 0.050 | mg/kg | 2.00   |  | 96.8 | 77.7-125 | 2.37 | 7.83 |  |
| Total Xylenes                         | 5.80   | 0.150 | mg/kg | 6.00   |  | 96.6 | 70.9-124 | 2.51 | 7.78 |  |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0512 |       | mg/kg | 0.0500 |  | 102  | 72-148   |      |      |  |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241

Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONE

Reported:  
17-Aug-17 11:49

### Petroleum Hydrocarbons by GC FID - Quality Control

#### Cardinal Laboratories

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|

#### Batch 7081629 - General Prep - Organics

##### Blank (7081629-BLK1)

Prepared & Analyzed: 14-Aug-17

|                               |      |      |       |      |  |      |  |          |  |
|-------------------------------|------|------|-------|------|--|------|--|----------|--|
| GRO C6-C10                    | ND   | 10.0 | mg/kg |      |  |      |  |          |  |
| DRO >C10-C28                  | ND   | 10.0 | mg/kg |      |  |      |  |          |  |
| EXT DRO >C28-C35              | ND   | 10.0 | mg/kg |      |  |      |  |          |  |
| EXT DRO >C28-C36              | ND   | 10.0 | mg/kg |      |  |      |  |          |  |
| Total TPH C6-C28              | ND   | 10.0 | mg/kg |      |  |      |  |          |  |
| Surrogate: 1-Chlorooctane     | 47.5 |      | mg/kg | 50.0 |  | 95.0 |  | 28.3-164 |  |
| Surrogate: 1-Chlorooctadecane | 47.6 |      | mg/kg | 50.0 |  | 95.2 |  | 34.7-157 |  |

##### LCS (7081629-BS1)

Prepared & Analyzed: 14-Aug-17

|                               |      |      |       |      |  |      |  |          |  |
|-------------------------------|------|------|-------|------|--|------|--|----------|--|
| GRO C6-C10                    | 212  | 10.0 | mg/kg | 200  |  | 106  |  | 76.6-119 |  |
| DRO >C10-C28                  | 210  | 10.0 | mg/kg | 200  |  | 105  |  | 81.4-124 |  |
| Total TPH C6-C28              | 422  | 10.0 | mg/kg | 400  |  | 105  |  | 79.4-121 |  |
| Surrogate: 1-Chlorooctane     | 50.1 |      | mg/kg | 50.0 |  | 100  |  | 28.3-164 |  |
| Surrogate: 1-Chlorooctadecane | 49.4 |      | mg/kg | 50.0 |  | 98.7 |  | 34.7-157 |  |

##### LCS Dup (7081629-BSD1)

Prepared & Analyzed: 14-Aug-17

|                               |      |      |       |      |  |      |  |          |       |      |
|-------------------------------|------|------|-------|------|--|------|--|----------|-------|------|
| GRO C6-C10                    | 208  | 10.0 | mg/kg | 200  |  | 104  |  | 76.6-119 | 1.84  | 7.94 |
| DRO >C10-C28                  | 209  | 10.0 | mg/kg | 200  |  | 105  |  | 81.4-124 | 0.298 | 9.83 |
| Total TPH C6-C28              | 417  | 10.0 | mg/kg | 400  |  | 104  |  | 79.4-121 | 1.07  | 8.57 |
| Surrogate: 1-Chlorooctane     | 48.9 |      | mg/kg | 50.0 |  | 97.8 |  | 28.3-164 |       |      |
| Surrogate: 1-Chlorooctadecane | 49.7 |      | mg/kg | 50.0 |  | 99.4 |  | 34.7-157 |       |      |

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: MERIT 32 DM ST. COM #1H  
 Project Number: MEWBOURNE  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 17-Aug-17 11:49

**Soluble (DI Water Extraction) - Quality Control**
**Green Analytical Laboratories**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B708132 - General Prep - Wet Chem**
**Blank (B708132-BLK1)**

Prepared: 16-Aug-17 Analyzed: 17-Aug-17

Chloride ND 10.0 mg/kg wet

**LCS (B708132-BS1)**

Prepared &amp; Analyzed: 16-Aug-17

Chloride 237 10.0 mg/kg wet 250 95.0 85-115

**LCS Dup (B708132-BSD1)**

Prepared &amp; Analyzed: 16-Aug-17

Chloride 238 10.0 mg/kg wet 250 95.3 85-115 0.366 20

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

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

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\*=Accredited Analyte

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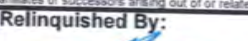
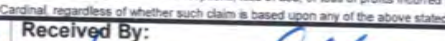
Celey D. Keene, Lab Director/Quality Manager



## Page 9 of 9

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

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|  |  |               |  |   |  |  |  |                |  |
|--|--|---------------|--|---|--|--|--|----------------|--|
| Relinquished By:  |  | Date: 8/11/17 |  | Received By:  |  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No |  | Add'l Phone #: |  |
|  |  | Time: 1630    |  |   |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   |  | Add'l Fax #:   |  |
| Relinquished By:   |  | Date:         |  | Received By:  |  | REMARKS: * PUSH *  |  |                |  |
|  |  | Time:         |  |   |  |  |  |                |  |
| Delivered By: (Circle One) 27.5°   |  |               |  | Sample Condition  |  | CHECKED BY:  |  |                |  |
| Sampler - UPS - Bus - Other: Corrected 27.75°  |  |               |  | Cool Intact   |  | (Initials)   |  |                |  |
|  |  |               |  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                               |  | 70 #15   |  |                |  |

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

August 21, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/17 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at

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

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

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

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

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

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

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
21-Aug-17 12:59

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|--------------|---------------|
|-----------|---------------|--------|--------------|---------------|

|           |            |      |                 |                 |
|-----------|------------|------|-----------------|-----------------|
| WALL #12B | H702146-01 | Soil | 14-Aug-17 15:40 | 14-Aug-17 16:40 |
|-----------|------------|------|-----------------|-----------------|

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
21-Aug-17 12:59**WALL #12B**  
**H702146-01 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 305 |  | 10.0 | mg/kg wet | 10 | B708153 | JDA | 18-Aug-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
21-Aug-17 12:59**Soluble (DI Water Extraction) - Quality Control****Green Analytical Laboratories**

| Analyte  | Result | Reporting<br>Limit | Units     | Spike<br>Level                 | Source<br>Result | %REC<br>Limits | RPD    | RPD<br>Limit | Notes |
|--|--------|--------------------|-----------|--------------------------------|------------------|----------------|--------|--------------|-------|
| <b>Batch B708153 - General Prep - Wet Chem</b> |        |                    |           |                                |                  |                |        |              |       |
| <b>Blank (B708153-BLK1)</b>                    |        |                    |           |                                |                  |                |        |              |       |
|  |        |                    |           | Prepared & Analyzed: 18-Aug-17 |                  |                |        |              |       |
| Chloride                                       | ND     | 10.0               | mg/kg wet |                                |                  |                |        |              |       |
| <b>LCS (B708153-BS1)</b>                       |        |                    |           |                                |                  |                |        |              |       |
|  |        |                    |           | Prepared & Analyzed: 18-Aug-17 |                  |                |        |              |       |
| Chloride                                       | 241    | 10.0               | mg/kg wet | 250                            |                  | 96.4           | 85-115 |              |       |
| <b>LCS Dup (B708153-BSD1)</b>                  |        |                    |           |                                |                  |                |        |              |       |
|  |        |                    |           | Prepared & Analyzed: 18-Aug-17 |                  |                |        |              |       |
| Chloride                                       | 240    | 10.0               | mg/kg wet | 250                            |                  | 96.0           | 85-115 | 0.441        | 20    |

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

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|   |  |   |                                |  |                |
|---|--|---|--------------------------------|--|----------------|
| Relinquished By:                            |  | Date: 8/11/17   | Received By: Tamara D. Doherty | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
|   |  | Time: 1640  |                                | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   | Add'l Fax #:   |
| Relinquished By:                            |  | Date:   | Received By:                   | REMARKS: ★ RUSH ★  |                |
|   |  | Time:   |                                |  |                |
| Delivered By: (Circle One) 32.88            |  | Sample Condition  | CHECKED BY:                    |  |                |
| Sampler - UPS - Bus - Other: Corrected 3305 |  | Cool <input type="checkbox"/> Yes <input type="checkbox"/> No   | (Initials) TAD                 | Brought directly to lab from   |                |
|   |  | Intact <input type="checkbox"/> Yes <input type="checkbox"/> No |                                |  |                |

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

September 11, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 09/05/17 16:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31

| Sample ID         | Laboratory ID | Matrix | Date Sampled    | Date Received   |
|-------------------|---------------|--------|-----------------|-----------------|
| FLOOR # 2 @ 2.5'  | H702354-01    | Soil   | 05-Sep-17 09:12 | 05-Sep-17 16:54 |
| FLOOR # 2 @ 4'    | H702354-02    | Soil   | 05-Sep-17 09:22 | 05-Sep-17 16:54 |
| FLOOR # 2 @ 6'    | H702354-03    | Soil   | 05-Sep-17 09:30 | 05-Sep-17 16:54 |
| FLOOR # 2 @ 7'    | H702354-04    | Soil   | 05-Sep-17 09:33 | 05-Sep-17 16:54 |
| FLOOR # 3 @ 2.5'  | H702354-05    | Soil   | 05-Sep-17 09:45 | 05-Sep-17 16:54 |
| FLOOR # 3 @ 4'    | H702354-06    | Soil   | 05-Sep-17 10:14 | 05-Sep-17 16:54 |
| FLOOR # 3 @ 5.5'  | H702354-07    | Soil   | 05-Sep-17 10:22 | 05-Sep-17 16:54 |
| FLOOR # 3 @ 8'    | H702354-08    | Soil   | 05-Sep-17 10:42 | 05-Sep-17 16:54 |
| FLOOR # 3 @ 10.5' | H702354-09    | Soil   | 05-Sep-17 10:55 | 05-Sep-17 16:54 |
| WALL #15b         | H702354-10    | Soil   | 05-Sep-17 10:51 | 05-Sep-17 16:54 |
| FLOOR # 3 @ 3'    | H702354-11    | Soil   | 05-Sep-17 09:58 | 05-Sep-17 16:54 |

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 2 @ 2.5'**  
**H702354-01 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 81.1 |  | 10.0 | mg/kg wet | 10 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 2 @ 4'****H702354-02 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 29.2 |  | 10.0 | mg/kg wet | 10 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 2 @ 6'****H702354-03 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 20.6 |  | 10.0 | mg/kg wet | 10 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 2 @ 7'****H702354-04 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|                 |             |  |      |           |    |         |     |           |          |  |
|-----------------|-------------|--|------|-----------|----|---------|-----|-----------|----------|--|
| <b>Chloride</b> | <b>18.2</b> |  | 10.0 | mg/kg wet | 10 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|-----------------|-------------|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 3 @ 2.5'****H702354-05 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|                 |             |  |      |           |    |         |     |           |          |  |
|-----------------|-------------|--|------|-----------|----|---------|-----|-----------|----------|--|
| <b>Chloride</b> | <b>1260</b> |  | 50.0 | mg/kg wet | 50 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|-----------------|-------------|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 3 @ 4'**  
**H702354-06 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 479 |  | 10.0 | mg/kg wet | 10 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 3 @ 5.5'****H702354-07 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|                 |            |  |      |           |    |         |     |           |          |  |
|-----------------|------------|--|------|-----------|----|---------|-----|-----------|----------|--|
| <b>Chloride</b> | <b>207</b> |  | 10.0 | mg/kg wet | 10 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|-----------------|------------|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 3 @ 8'****H702354-08 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 167 |  | 10.0 | mg/kg wet | 10 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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**Analytical Results For:**TRINITY OILFIELD SERVICES & RENTALS, LLC  
P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 3 @ 10.5'****H702354-09 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 138 |  | 10.0 | mg/kg wet | 10 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**WALL #15b**  
**H702354-10 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |     |  |      |           |    |         |     |           |          |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 111 |  | 10.0 | mg/kg wet | 10 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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P. O. BOX 2587  
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H  
Project Number: MEWBOURNE  
Project Manager: BEN ARGUIJO  
Fax To: NONEReported:  
11-Sep-17 11:31**FLOOR # 3 @ 3'****H702354-11 (Soil)**

| Analyte | Result | MDL | Reporting<br>Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|--------------------|-------|----------|-------|---------|----------|--------|-------|

**Green Analytical Laboratories****Soluble (DI Water Extraction)**

|          |      |  |      |           |    |         |     |           |          |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 1290 |  | 50.0 | mg/kg wet | 50 | B709055 | JDA | 08-Sep-17 | EPA300.0 |  |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: MERIT 32 DM ST. COM #1H  
 Project Number: MEWBOURNE  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Sep-17 11:31

**Soluble (DI Water Extraction) - Quality Control**
**Green Analytical Laboratories**

| Analyte  | Result | Reporting<br>Limit | Units     | Spike<br>Level                 | Source<br>Result | %REC<br>Limits | RPD    | RPD<br>Limit | Notes |
|--|--------|--------------------|-----------|--------------------------------|------------------|----------------|--------|--------------|-------|
| <b>Batch B709055 - General Prep - Wet Chem</b> |        |                    |           |                                |                  |                |        |              |       |
| <b>Blank (B709055-BLK1)</b>                    |        |                    |           | Prepared & Analyzed: 08-Sep-17 |                  |                |        |              |       |
| Chloride                                       | ND     | 1.00               | mg/kg wet |                                |                  |                |        |              |       |
| <b>LCS (B709055-BS1)</b>                       |        |                    |           | Prepared & Analyzed: 08-Sep-17 |                  |                |        |              |       |
| Chloride                                       | 241    | 10.0               | mg/kg wet | 250                            |                  | 96.4           | 85-115 |              |       |
| <b>LCS Dup (B709055-BSD1)</b>                  |        |                    |           | Prepared & Analyzed: 08-Sep-17 |                  |                |        |              |       |
| Chloride                                       | 238    | 10.0               | mg/kg wet | 250                            |                  | 95.1           | 85-115 | 1.35         | 20    |

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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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

---

Cardinal Laboratories

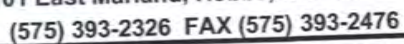
\*=Accredited Analyte

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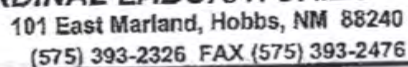


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## Page 1 of 1



## Page 2 of 2

FORM-006  
Revision 1.0