

|                |               |
|----------------|---------------|
| Incident ID    | NRM2009941553 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Site Assessment/Characterization

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

|                                                                                                                                                                                                 |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release?                                                                                                           | <u>185</u> (ft bgs)                                                 |
| Did this release impact groundwater or surface water?                                                                                                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?                                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?                                                                                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?                                                                                                                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?                                                                                                        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

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

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

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

Form C-141

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State of New Mexico  
Oil Conservation Division

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

Printed Name: Ben J. Arguijo (as Agent of OXY)Title: Environmental Project ManagerSignature: Date: 4/7/2020email: ben@trinityoilfieldservices.comTelephone: (575)390-7208**OCD Only**Received by: Cristina EadsDate: 04/23/2020

Form C-141

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State of New Mexico  
Oil Conservation Division

|                |               |
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## Remediation Plan

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

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

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

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

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

Printed Name: Ben J. Arguijo (as Agent of OXY)

Title: Environmental Project Manager

Signature: 

Date: 4/7/2020

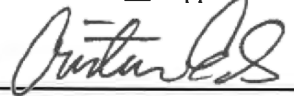
email: ben@trinityoilfieldservices.com

Telephone: (575)390-7208

**OCD Only**

Received by: Cristina Eads

Date: 04/23/2020

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

Date: 04/23/2020

# Trinity Oilfield Services & Rentals, LLC

## Environmental Site Summary & Spill Remediation Proposal



**Company:** OXY USA, Inc. **Address:** P.O. Box 4294, Houston, TX 77210 **Telephone #:** (575) 390-2828  
**Site Name:** South Loco Hills CTB **NMOCD Reference#:** \_\_\_\_\_  
**Surface Owner:** US Bureau of Land Management **Mineral Owner:** US Bureau of Land Management  
**Unit Letter:** O (SW/SE) **Section:** 19 **Township:** 18S **Range:** 29E **County:** Eddy **GPS Coordinates:** 32.728200 N -104.111700 W  
**Date/Time of Release:** 2/26/2020 **Type of Release:** ☒ **Crude Oil** ☐ **Produced Water**  
**Volume(s) Released:** 80 bbls **Volume(s) Recovered:** 43.2 bbls

### Closure Criteria for Impacted Soil (mg/kg; See Appendix C, "Closure Criteria Justification"):

**Benzene:** 10 **BTEX:** 50 **GRO+DRO:** 1,000 **TPH:** ☐ **100** **Chloride:** ☐ **600**  
☒ **2,500** ☐ **10,000**  
☒ **20,000**

### Background Information:

On February 26, 2020, OXY USA, Inc. (OXY), discovered a release at the South Loco Hills Central Tank Battery (CTB). An oil tank bled into a water tank, which overflowed, resulting in the release of approximately 80 barrels (bbls) of crude oil. The release was confined to the containment area surrounding the battery and affected a total area measuring approximately 3,385 square feet. During initial response activities, the cause of the overflow was investigated and repaired, and a vacuum truck was utilized to recover approximately 43.2 bbls of free-standing liquid.

The release was immediately reported to the New Mexico Oil Conservation Division's (NMOCD) Artesia 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 March 18 and 19, 2020, a hand auger was utilized to advance a series of 11 boreholes (SP-1, SP-1 West, SP-1 South, SP-2, SP-2 West, SP-3, SP-3 East, SP-3 West, SP-4, SP-4 West, and SP-4 South) at the site to investigate the extent of impacted soil. The auger holes were advanced to the extents practicable, and total depths ranged from 2 to 4 feet below ground surface (bgs). Soil samples were collected at 1- to 2-foot vertical intervals and field-screened with a chloride test kit and olfactory/visual senses. Representative confirmation samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of chloride, total petroleum hydrocarbons (TPH), and benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 300, SW 846-8015 Mod, and SW 846-8021B, respectively. Laboratory analytical results and field-screens indicated additional delineation to determine the extent of impacted soil was required.

On April 2, 2020, a backhoe was utilized to advance a series of delineation trenches in the areas represented by auger holes SP-1 through SP-4 to further investigate the vertical extent of impacted soil. The delineation trenches were advanced to total depths ranging from 5 feet (SP-2) to 9 feet (SP-1) bgs. Soil samples were collected at 1- to 2-foot vertical intervals and field-screened with a chloride test kit and olfactory/visual senses. Representative confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results are pending. Field test results indicate that vertical delineation of the February 26th release has been achieved. However, a presumed historical produced water release of unknown date and volume was encountered approximately 7 feet bgs in trench SP-1 and approximately 6 feet bgs in trench SP-4, based on elevated chloride levels recorded at those depths.

Locations of the auger holes and delineation trenches are depicted in Figure 2, "Site Plan". Laboratory analytical results are summarized in Table 1, and analytical reports are provided in Appendix D. Field test results are provided in Appendix E.

# Trinity Oilfield Services & Rentals, LLC

## Environmental Site Summary & Spill Remediation Proposal



### Proposed Activities:

OXY proposes to conduct the following activities to progress the South Loco Hills CTB release site to an NMOCD- and BLM-approved closure:

- To the extent practicable, the entire impacted area will be excavated vertically to 4 feet bgs, as depicted in Figure 2, "Site Plan". OXY hereby requests a variance from the requirements of Section 19.15.29.12.D(2) of the New Mexico Administrative Code (NMAC) and permission to install a 20-mil liner in the excavation upon completion. Felt padding will be installed on the floor of the excavation prior to installation of the liner, and a 6-inch cushion of sand will be installed atop the liner once it is in place to protect it from damage during backfilling.
- To preserve the structural integrity of the on-site water tank, excavation immediately around the tank will be limited to a surface scrape of heavily saturated, visibly stained soil. Excavation in other impacted areas may be hindered by the presence of active pipes, electrical lines, etc. Impacted soil remaining in-situ will be remediated upon decommissioning and/or abandonment of the facility.
- The total volume of soil to be excavated is approximately 560 cubic yards.
- Representative 5-point composite soil samples will be collected from the floor and sidewalls of the excavation and submitted to Xenco Laboratories for confirmatory analysis of chloride, TPH, and/or BTEX concentrations using the EPA analytical methods listed in the "Summary of Field Activities" above. OXY requests an alternative sampling plan consisting of 5-point composite samples representing areas no larger than 400 square feet, as depicted in Figure 3, "Proposed Sampling Grid".
- All excavated soil will be stockpiled on-site on 6-mil plastic, pending transfer to Lea Land, Inc., for disposal.
- The excavation will be fenced off during periods of inactivity to prevent injury to oilfield personnel, livestock, and/or wildlife.
- Following remediation activities, the excavation will be backfilled with locally acquired, non-impacted material, compacted, and contoured to fit the needs of the facility.
- The aforementioned corrective actions will be completed within 45 days of receipt of approval of this proposal by the NMOCD. Upon completion of the proposed tasks, a "Remediation Summary & Closure Request" will be submitted, documenting remediation activities and results of confirmation soil samples.

### Enclosures:

**Figure 1: Site Location Map**

**Figure 2: Site Plan**

**Figure 3: Proposed Sampling Grid**

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

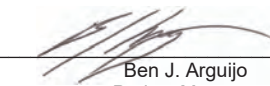
**Appendix A: Release Notification & Corrective Action (Form C-141)**

**Appendix B: Photographs**

**Appendix C: Closure Criteria Justification**

**Appendix D: Laboratory Analytical Results**

**Appendix E: Field Notes**

 4/3/2020  
Ben J. Arguijo  
Project Manager

# Figures



0.5 0.25 0 0.5  
Distance in Miles

**Figure 1**  
**Site Location Map**  
**OXY USA, Inc.**  
**South Loco Hills CTB**  
**Eddy County, New Mexico**



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

|               |                   |
|---------------|-------------------|
| Drawn By: BJA | Checked By: JEH   |
| April 3, 2020 | Scale: 1" = 0.5mi |





# Tables

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

OXY USA, INC.  
SOUTH LOCO HILLS CTB  
EDDY COUNTY, NEW MEXICO



| SAMPLE LOCATION      | SAMPLE DEPTH (BGS) | SAMPLE DATE | SAMPLE TYPE | SOIL STATUS | EPA SW-846 Method 8021B |                 |                       |                     |                  |                       |                    | EPA SW-846 Method 8015M |                     |                  |                     |                    | EPA 300          |
|----------------------|--------------------|-------------|-------------|-------------|-------------------------|-----------------|-----------------------|---------------------|------------------|-----------------------|--------------------|-------------------------|---------------------|------------------|---------------------|--------------------|------------------|
|                      |                    |             |             |             | BENZENE (mg/kg)         | TOLUENE (mg/kg) | ETHYL-BENZENE (mg/kg) | M,P-XYLENES (mg/kg) | O-XYLENE (mg/kg) | TOTAL XYLENES (mg/kg) | TOTAL BTEX (mg/kg) | GRO C6-C12 (mg/kg)      | DRO C12-C28 (mg/kg) | GRO+ DRO (mg/kg) | MRO C28-C35 (mg/kg) | TPH C6-C35 (mg/kg) | CHLORIDE (mg/kg) |
| NMOCD Closure Limits |                    |             |             |             | 10                      | NE              | NE                    | NE                  | NE               | NE                    | 50                 | NE                      | NE                  | 1,000            | NE                  | 2,500              | 20,000           |
| SP-1 @ Surface       | Surface            | 3/18/2020   | Grab        | In-Situ     | 0.202                   | 7.30            | 32.6                  | 43.5                | 23.9             | 67.4                  | 108                | 4,120                   | 30,000              | 34,120           | 2,740               | 36,900             | <4.99            |
| SP-1 @ 4 ft          | 4'                 | 3/18/2020   | Grab        | In-Situ     | <0.0998                 | 0.776           | 4.45                  | 4.95                | 4.25             | 9.20                  | 14.4               | 1,410                   | 11,000              | 12,410           | 1,090               | 13,500             | 42.6             |
| SP-1 West @ 1 ft     | 1'                 | 3/19/2020   | Grab        | In-Situ     | <0.100                  | 0.149           | 0.797                 | 0.838               | 0.597            | 1.44                  | 2.38               | <49.8                   | 150                 | 150              | <49.8               | 150                | 871              |
| SP-1 West @ 2 ft     | 2'                 | 3/19/2020   | Grab        | In-Situ     | <0.0397                 | 0.0440          | 0.0540                | <0.0794             | <0.0397          | <0.0397               | 0.0980             | <50.0                   | 183                 | 183              | 58.30               | 241                | 533              |
| SP-1 South @ 1ft     | 1'                 | 3/19/2020   | Grab        | In-Situ     | <0.0199                 | 0.0423          | <0.0199               | <0.0398             | <0.0199          | <0.0199               | 0.0423             | <50.0                   | 140                 | 140              | <50.0               | 140                | 795              |
| SP-1 South @ 2ft     | 2'                 | 3/19/2020   | Grab        | In-Situ     | <0.0199                 | 0.0417          | 0.0269                | 0.0434              | <0.0199          | 0.0434                | 0.112              | <49.9                   | 86.6                | 86.6             | <49.9               | 86.6               | 637              |
| SP-2 @ Surface       | Surface            | 3/18/2020   | Grab        | In-Situ     | <0.100                  | 2.24            | 14.9                  | 20.4                | 11.5             | 31.9                  | 49.0               | 1,750                   | 13,900              | 15,650           | 1,340               | 17,000             | 11.4             |
| SP-2 @ 2 ft          | 2'                 | 3/18/2020   | Grab        | In-Situ     | <0.0020                 | <0.0020         | 0.0045                | 0.0076              | 0.0073           | 0.0148                | 0.0194             | <49.9                   | 480                 | 480              | 74.7                | 555                | <5.02            |
| SP-2 West @ 1 ft     | 1'                 | 3/19/2020   | Grab        | In-Situ     | <0.0200                 | 0.0464          | <0.0200               | <0.0400             | <0.0200          | <0.0200               | 0.0464             | <50.0                   | <50.0               | <50.0            | <50.0               | <50.0              | 34.4             |
| SP-2 West @ 2 ft     | 2'                 | 3/19/2020   | Grab        | In-Situ     | <0.0202                 | 0.0468          | <0.0202               | <0.0403             | <0.0202          | <0.0202               | 0.0468             | <50.0                   | <50.0               | <50.0            | <50.0               | <50.0              | 148              |
| SP-3 Surface         | Surface            | 3/18/2020   | Grab        | In-Situ     | 0.588                   | 9.67            | 22.3                  | 49.8                | 32.5             | 82.3                  | 115                | 7,390                   | 45,500              | 52,890           | 4,420               | 57,300             | <4.99            |
| SP-3 @ 2 ft          | 2'                 | 3/18/2020   | Grab        | In-Situ     | <0.0398                 | 0.0604          | 0.148                 | 0.130               | 0.106            | 0.236                 | 0.444              | <49.8                   | 541                 | 541              | 99.5                | 641                | 17.5             |
| SP-3 West @ Surface  | Surface            | 3/19/2020   | Grab        | In-Situ     | <0.0198                 | 0.0420          | <0.0198               | <0.0397             | 0.0250           | 0.0250                | 0.0670             | <49.9                   | <49.9               | <49.9            | <49.9               | <49.9              | 9.57             |
| SP-3 West @ 2 ft     | 2'                 | 3/19/2020   | Grab        | In-Situ     | <0.0996                 | 3.04            | 9.54                  | 11.9                | 5.66             | 17.6                  | 30.1               | 805                     | 2,620               | 3,425            | 217                 | 3,640              | 8.58             |
| SP-3 East @ Surface  | Surface            | 3/19/2020   | Grab        | In-Situ     | 0.0038                  | 0.0551          | 0.0466                | 0.0433              | 0.0215           | 0.0648                | 0.170              | <250                    | 6,310               | 6,310            | 1,340               | 7,650              | <5.05            |
| SP-3 East @ 2 ft     | 2'                 | 3/19/2020   | Grab        | In-Situ     | <0.0020                 | <0.0020         | <0.0020               | <0.0040             | 0.0073           | 0.0073                | 0.0073             | <49.9                   | 70.1                | 70.1             | <49.9               | 70.1               | <4.99            |
| SP-4 Surface         | Surface            | 3/18/2020   | Grab        | In-Situ     | 1.62                    | 80.1            | 123                   | 142                 | 60.1             | 202                   | 407                | 9,040                   | 30,500              | 39,540           | 2,620               | 42,200             | 14.7             |
| SP-4 @ 2 ft          | 2'                 | 3/18/2020   | Grab        | In-Situ     | 0.349                   | 6.29            | 21.9                  | 24.8                | 12.4             | 37.2                  | 65.7               | 2,030                   | 9,950               | 11,980           | 968                 | 12,900             | <4.98            |
| SP-4 West @ Surface  | Surface            | 3/19/2020   | Grab        | In-Situ     | <0.0020                 | <0.0020         | <0.0020               | <0.0040             | <0.0020          | <0.0020               | <0.0020            | <50.0                   | <50.0               | <50.0            | <50.0               | <50.0              | 7.40             |
| SP-4 West @ 2 ft     | 2'                 | 3/19/2020   | Grab        | In-Situ     | <0.0020                 | 0.0051          | 0.0022                | 0.0223              | 0.0161           | 0.0384                | 0.0457             | <50.0                   | <50.0               | <50.0            | <50.0               | <50.0              | 52.3             |
| SP-4 South @ Surface | Surface            | 3/19/2020   | Grab        | In-Situ     | <0.0020                 | <0.0020         | <0.0020               | <0.0040             | <0.0020          | <0.0020               | <0.0020            | <49.9                   | <49.9               | <49.9            | <49.9               | <49.9              | <4.96            |
| SP-4 South @ 2 ft    | 2'                 | 3/19/2020   | Grab        | In-Situ     | <0.0020                 | <0.0020         | <0.0020               | <0.0040             | <0.0020          | <0.0020               | <0.0020            | <50.0                   | <50.0               | <50.0            | <50.0               | <50.0              | <5.01            |
|                      |                    |             |             |             |                         |                 |                       |                     |                  |                       |                    |                         |                     |                  |                     |                    |                  |

NE = Not established

- = Not analyzed

Concentrations in **BOLD** exceed the NMOCD Closure Limit

# **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 Department  
  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

|                |  |
|----------------|--|
| Incident ID    |  |
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## Release Notification

### Responsible Party

|                                                            |                                   |
|------------------------------------------------------------|-----------------------------------|
| Responsible Party: OXY USA, Inc.                           | OGRID: 16696                      |
| Contact Name: Wade Dittrich                                | Contact Telephone: (575) 390-2828 |
| Contact email: Wade_Dittrich@oxy.com                       | Incident # (assigned by OCD)      |
| Contact mailing address: P. O. Box 4295; Houston, TX 77210 |                                   |

### Location of Release Source

Latitude 32.72820 Longitude -104.11170

(NAD 83 in decimal degrees to 5 decimal places)

|                                    |                           |
|------------------------------------|---------------------------|
| Site Name: South Loco Hills CTB    | Site Type: E&P            |
| Date Release Discovered: 2/26/2020 | API# (if applicable): N/A |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| O           | 19      | T18S     | R29E  | Eddy   |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|                                               |                                                                                |                                                          |
|-----------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 80 bbls                                                 | Volume Recovered (bbls) 43.2                             |
| <input type="checkbox"/> Produced Water       | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                  |
|                                               | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate           | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Natural Gas          | Volume Released (Mcf)                                                          | Volume Recovered (Mcf)                                   |
| <input type="checkbox"/> Other (describe)     | Volume/Weight Released (provide units)                                         | Volume/Weight Recovered (provide units)                  |

Cause of Release: An oil tank bled into a water tank and the water tank overflowed. No produced water was released.

Form C-141

State of New Mexico  
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?

☒ Yes ☐ No

If YES, for what reason(s) does the responsible party consider this a major release?

The quantity of the release was greater than 25 barrels

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  
Wade Dittrich gave notice to Mike Bratcher EMNRD, Victoria Venegas, ENMRD, R. Hamlet, ENMRD, J. Amos, US BLM on February 27, 2020 at 10:05:49 MST

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

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

If all the actions described above have not been undertaken, explain why: Not Applicable

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Ben J. Arguijo (as Agent of OXY USA, Inc.)

Title: Environmental Project Manager

Signature: 

Date: 3/13/2020

email: ben@trinityoilfieldservices.com

Telephone: (575)390-7208

#### OCD Only

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

\*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*

Location of spill:

South Loco Hills CTB

(32.7282,-104.1117)

Date of Spill:

2/26/2020

Site Soil Type:

Tonuco (TF) Soils - loamy fine sand 0-3 % slope, assumed a porodity of 14 percent

Estimated Daily Production Loss:

80

BBL Oil

0.0

BBL Water

| Total Area Calculations |         |   |         |   |                |         |  |
|-------------------------|---------|---|---------|---|----------------|---------|--|
| Total Surface Area      | width   |   | length  |   | wet soil depth | oil (%) |  |
| Rectangle Area #1       | 37.5 ft | X | 31.0 ft | X | 5.25 in        | 100%    |  |
| Rectangle Area #2       | 37.0 ft | X | 37.0 ft | X | 5.25 in        | 100%    |  |
| Rectangle Area #3       | 17.5 ft | X | 8.0 ft  | X | 5.25 in        | 100%    |  |
| Rectangle Area #4       | 31.5 ft | X | 17.5 ft | X | 5.25 in        | 100%    |  |
| Rectangle Area #5       | 8.5 ft  | X | 5.5 ft  | X | 5.25 in        | 100%    |  |
| Rectangle Area #6       | 11.0 ft | X | 10.5 ft | X | 5.25 in        | 100%    |  |
| Rectangle Area #7       | 0.0 ft  | X | 0.0 ft  | X | 0.00 in        | 0%      |  |
| Rectangle Area #8       | 0.0 ft  | X | 0.0 ft  | X | 0.00 in        | 0%      |  |

Porosity 0.14 gal per gal (interpolated between a sandy clay and a gravelly sand)

| Saturated Soil Volume Calculations: |                |         |       |         |                   |          |
|-------------------------------------|----------------|---------|-------|---------|-------------------|----------|
|                                     |                | H2O     |       | OIL     | Soil Type         | Porosity |
| Area #1                             | 1,163 sq. ft.  | cu. ft. | 509   | cu. ft. | Clay              | 0.15     |
| Area #2                             | 1369 sq. ft.   | cu. ft. | 599   | cu. ft. | Peat              | 0.40     |
| Area #3                             | 140 sq. ft.    | cu. ft. | 61    | cu. ft. | Glacial Sediments | 0.13     |
| Area #4                             | 551.25 sq. ft. | cu. ft. | 241   | cu. ft. | Sandy Clay        | 0.12     |
| Area #5                             | 46.75 sq. ft.  | cu. ft. | 20    | cu. ft. | Silt              | 0.16     |
| Area #6                             | 115.5 sq. ft.  | cu. ft. | 51    | cu. ft. | Loess             | 0.25     |
| Area #7                             | 0 sq. ft.      | cu. ft. |       | cu. ft. | Fine Sand         | 0.16     |
| Area #8                             | 0 sq. ft.      | cu. ft. |       | cu. ft. | Medium Sand       | 0.25     |
| Total Solid/Liquid Volume:          | 3,385 sq. ft.  | cu. ft. | 1,481 | cu. ft. | Coarse Sand       | 0.26     |
|                                     |                |         |       |         | Gravelly Sand     | 0.26     |
| Estimated Volumes Spilled           |                |         |       |         | Fine Gravel       | 0.26     |
|                                     |                | H2O     |       | OIL     | Medium Gravel     | 0.25     |
| Liquid in Soil:                     |                | 0.0 BBL | 36.9  | BBL     | Coarse Gravel     | 0.18     |
| Liquid Recovered :                  |                | 0.0 BBL | 43.2  | BBL     | Sandstone         | 0.25     |
|                                     |                |         |       |         | Siltstone         | 0.18     |
| Spill Liquid                        |                | 0.0 BBL | 80.1  | BBL     | Shale             | 0.05     |
| Total Spill Liquid:                 |                |         | 80.1  |         | Limestone         | 0.13     |
| Recovered Volumes                   |                |         |       |         | Basalt            | 0.19     |
| Estimated oil recovered:            | 43.2 BBL       |         |       |         | Volcanic Tuff     | 0.20     |
| Estimated water recovered:          | 0.0 BBL        |         |       |         | Standing Liquids  |          |

## **Appendix B**

# **Photographs**

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



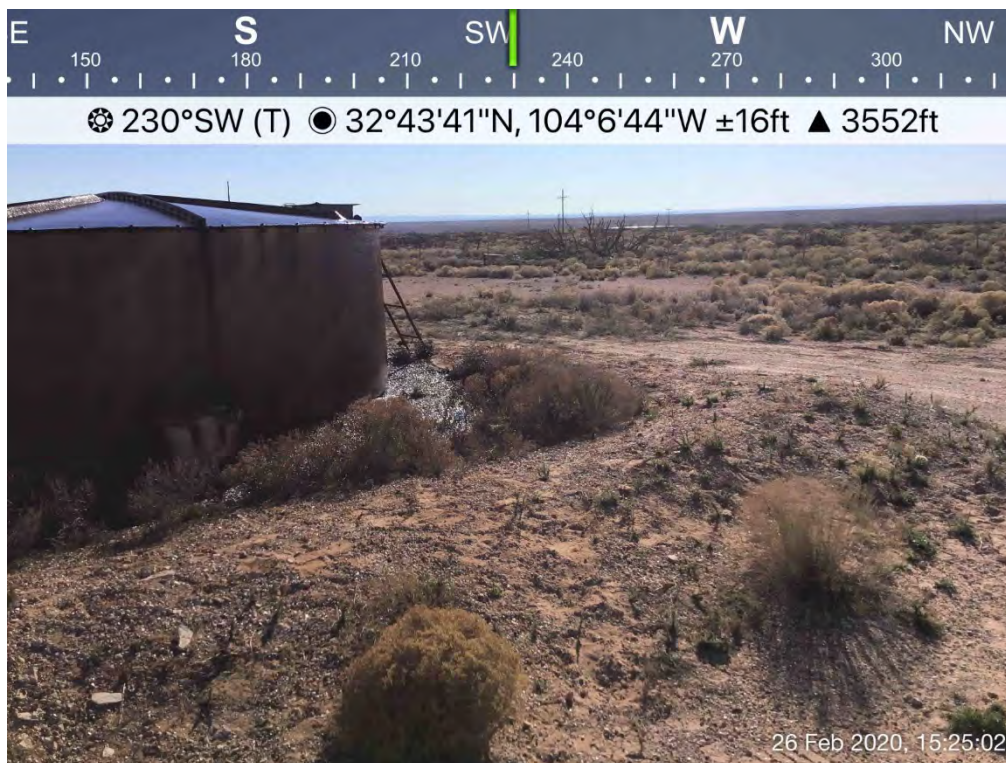
Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



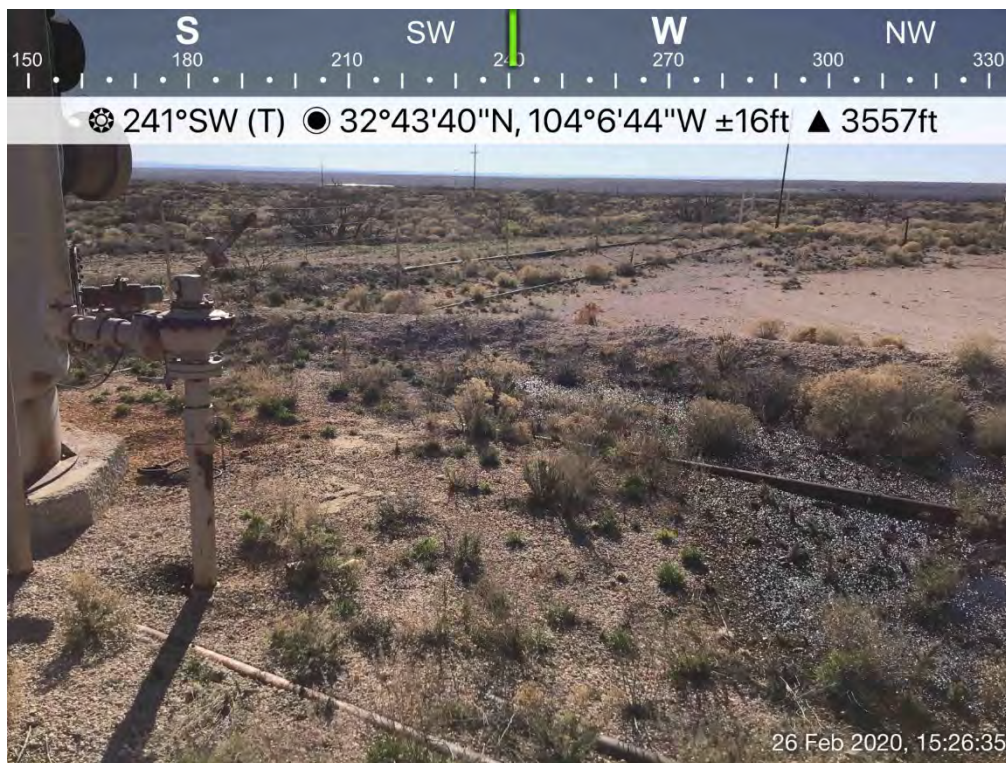
Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

**OXY USA, Inc. –South Loco Hills CTB**

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

# **Appendix C**

## **Closure Criteria Justification**

**TABLE 3  
CLOSURE CRITERIA JUSTIFICATION**

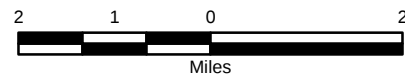
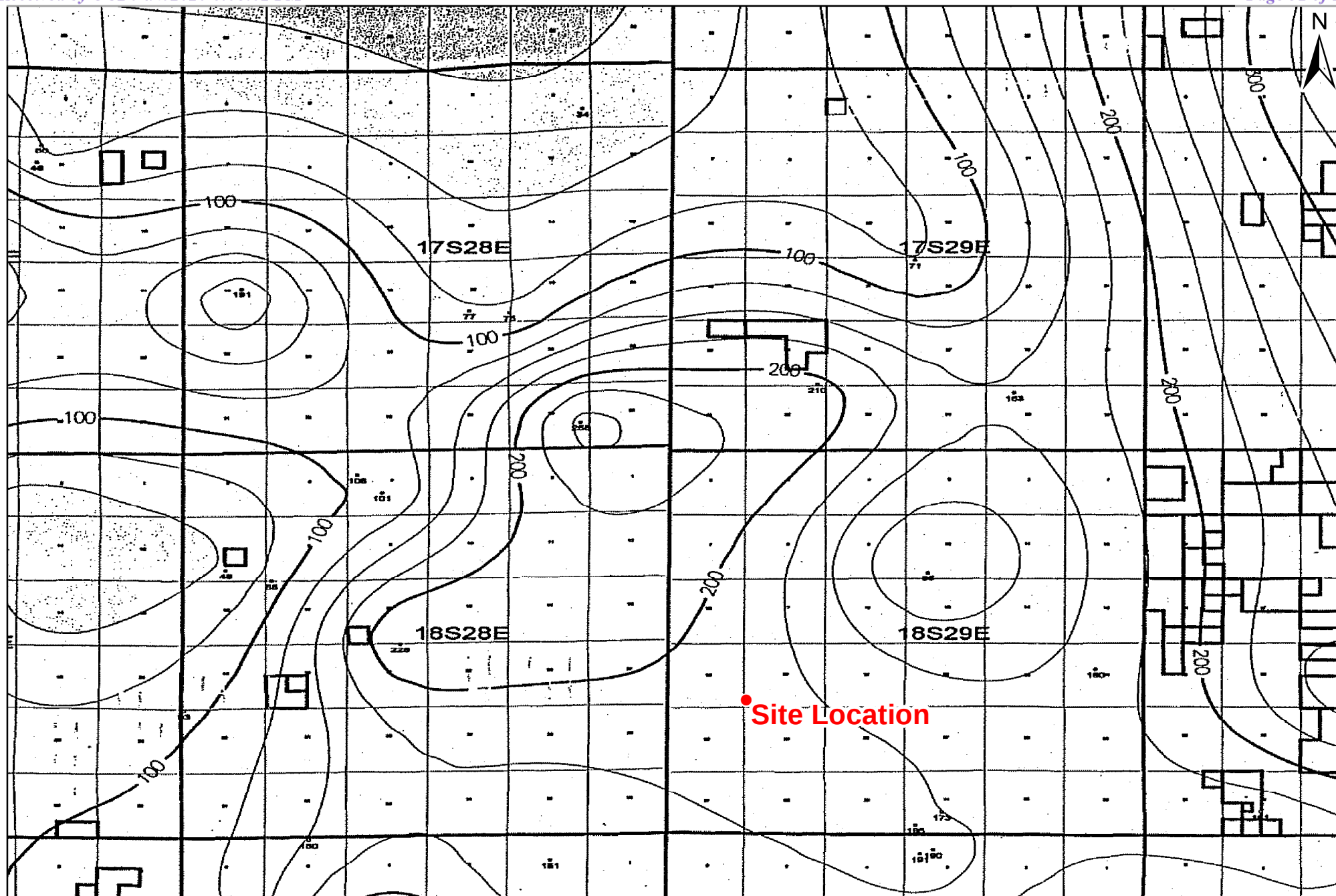
**OXY USA, INC.  
SOUTH LOCO HILLS CTB  
EDDY COUNTY, NEW MEXICO**



| <b>Groundwater, Water Wells &amp; Other Water Sources</b>                                                                               |        |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------|
| Depth to groundwater (ft)?                                                                                                              | 185    |
| Horizontal distance (ft) from all water sources within 0.5 miles?                                                                       | N/A    |
| Within 500' of a spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes? | No     |
| Within 1000' of any fresh water well or spring?                                                                                         | No     |
| <b>Surface Water</b>                                                                                                                    |        |
| Horizontal distance (ft) to nearest significant watercourse?                                                                            | >1,000 |
| Within 300' of any continuously flowing watercourse or any other significant watercourse?                                               | No     |
| Within 200' of any lakebed, sinkhole or playa lake?                                                                                     | No     |
| <b>Human-Occupied, Environmental &amp; Other Areas</b>                                                                                  |        |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field?                                          | No     |
| Within 300' of an occupied permanent residence, school, hospital, institution or church?                                                | No     |
| Within 300' of a wetland?                                                                                                               | No     |
| Within the area overlying a subsurface mine?                                                                                            | No     |
| Within an unstable area?                                                                                                                | No     |
| Within a 100-year floodplain?                                                                                                           | No     |

| <b>Closure Criteria (mg/kg)*</b> |             |                  |            |                 |
|----------------------------------|-------------|------------------|------------|-----------------|
| <b>Benzene</b>                   | <b>BTEX</b> | <b>GRO + DRO</b> | <b>TPH</b> | <b>Chloride</b> |
| 10                               | 50          | 1,000            | 2,500      | 20,000          |

\*Numerical limits or natural background level, whichever is greater

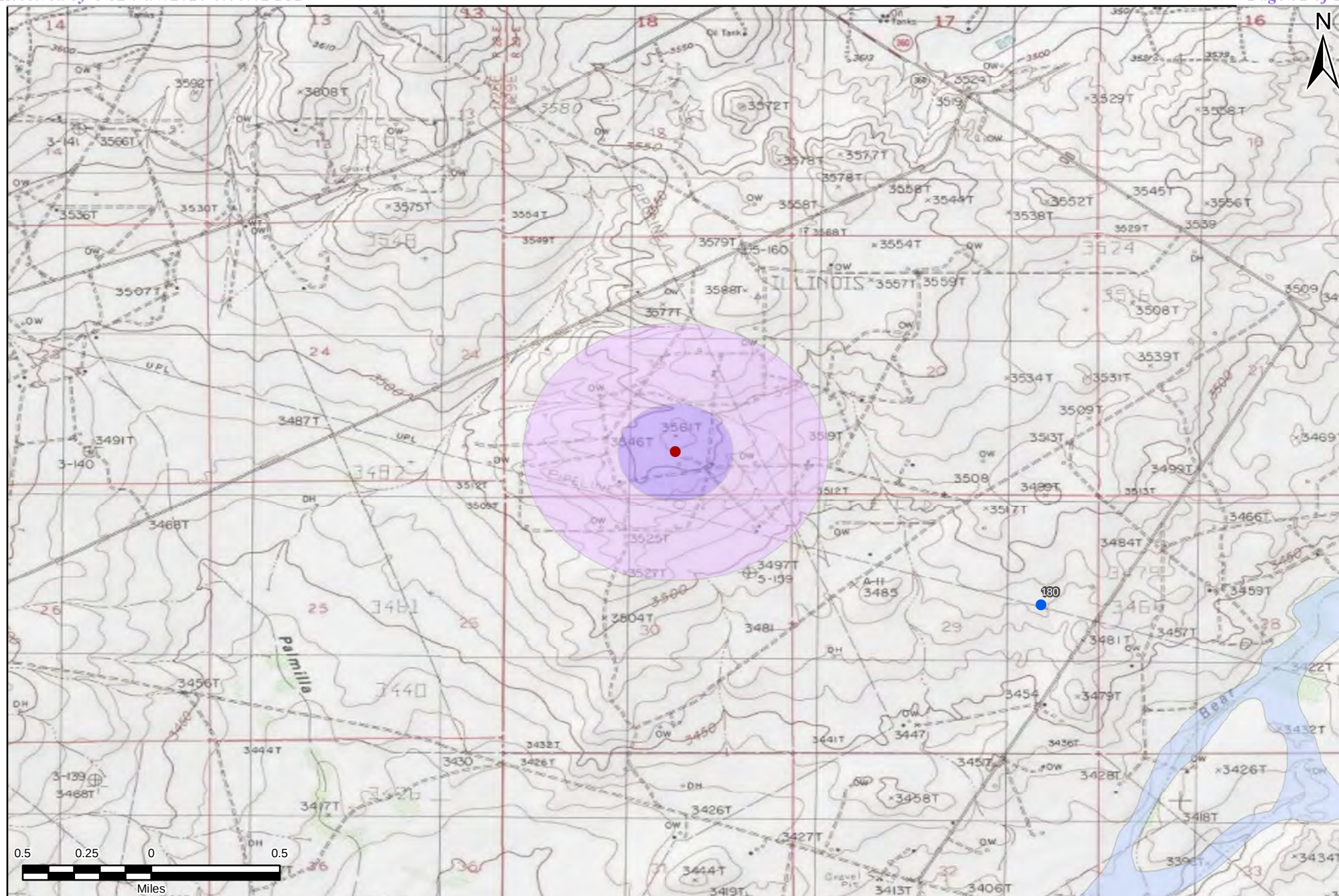


**Figure 4**  
**Depth-to-Groundwater Trend Map**  
 OXY USA, Inc.  
 South Loco Hills CTB  
 Eddy County, New Mexico



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

|               |                 |
|---------------|-----------------|
| Drawn By: BJA | Checked By: JEH |
| April 3, 2020 | Scale: 1" = 2mi |

**Legend**

- |                                                                                    |                          |                                                                                     |                               |
|------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------|
|  | 1,000-ft Radius          |  | Site Location                 |
|  | 0.5-mi Radius            |  | NMOSE Depth to Water (ft)     |
|  | FEMA 100-Year Flood Zone |  | USGS Depth to Water (ft Avg.) |
|  | Municipal Boundary       |  | Monitor Well                  |

**Figure 5**  
**Vicinity & Wellhead Protection Area Map**  
**OXY USA, Inc.**  
**South Loco Hills CTB**  
**Eddy County, New Mexico**



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

Drawn By: BJA  
 April 3, 2020

Checked By: JEH  
 Scale: 1" = 0.5mi



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

---

No records found.

## UTMNAD83 Radius Search (in meters):

**Easting (X):** 583181.65

**Northing (Y):** 3621490.71

**Radius:** 1610  
(1 mile)



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number                    | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y       | Distance | Depth Well | Depth Water | Water Column |
|-------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|---------|----------|------------|-------------|--------------|
| <a href="#">CP 01618 POD1</a> | CP           | ED    |        | 3    | 4    | 2   | 29  | 18S | 29E | 585120 | 3620554 | 2152     | 240        | 180         | 60           |

Average Depth to Water: **180 feet**

Minimum Depth: **180 feet**

Maximum Depth: **180 feet**

Record Count: 1

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 583181.65

**Northing (Y):** 3621490.71

**Radius:** 2414  
(1.5 miles)

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

# **Appendix D**

## **Laboratory Analytical Reports**



# Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

**Project Name:** South Loco Hills

**Project Id:**

**Contact:** Ben Arguijo

**Project Location:** Granville Ramsey

**Date Received in Lab:** Wed 03.25.2020 11:00

**Report Date:** 03.31.2020 16:10

**Project Manager:** Holly Taylor

| <i>Analysis Requested</i>          | <i>Lab Id:</i>    | 656759-001       | 656759-002       | 656759-003       | 656759-004       | 656759-005       | 656759-006       |
|------------------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                    | <i>Field Id:</i>  | SP-1 Surface     | SP-1 @ 4 ft      | SP-2 Surface     | SP-2 2 ft        | SP-3 Surface     | SP-3 @ 2 ft      |
|                                    | <i>Depth:</i>     |                  | 4- ft            |                  | 2- ft            |                  | 2- ft            |
|                                    | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL             | SOIL             | SOIL             | SOIL             |
|                                    | <i>Sampled:</i>   | 03.18.2020 09:00 | 03.18.2020 09:30 | 03.18.2020 09:40 | 03.18.2020 09:55 | 03.18.2020 10:00 | 03.18.2020 10:20 |
| <b>BTEX by EPA 8021B</b>           | <i>Extracted:</i> | 03.27.2020 16:30 | 03.27.2020 16:30 | 03.27.2020 16:30 | 03.30.2020 08:30 | 03.27.2020 16:30 | 03.27.2020 16:30 |
|                                    | <i>Analyzed:</i>  | 03.28.2020 18:28 | 03.28.2020 16:26 | 03.28.2020 16:46 | 03.30.2020 13:29 | 03.28.2020 18:48 | 03.28.2020 14:43 |
|                                    | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Benzene                            |                   | 0.202 0.199      | <0.0998 0.0998   | <0.100 0.100     | <0.00200 0.00200 | 0.588 0.198      | <0.0398 0.0398   |
| Toluene                            |                   | 7.30 0.199       | 0.776 0.0998     | 2.24 0.100       | <0.00200 0.00200 | 9.67 0.198       | 0.0604 0.0398    |
| Ethylbenzene                       |                   | 32.6 0.199       | 4.45 0.0998      | 14.9 0.100       | 0.00452 0.00200  | 22.3 0.198       | 0.148 0.0398     |
| m,p-Xylenes                        |                   | 43.5 0.398       | 4.95 0.200       | 20.4 0.200       | 0.00756 0.00399  | 49.8 0.397       | 0.130 0.0797     |
| o-Xylene                           |                   | 23.9 0.199       | 4.25 0.0998      | 11.5 0.100       | 0.00728 0.00200  | 32.5 0.198       | 0.106 0.0398     |
| Total Xylenes                      |                   | 67.4 0.199       | 9.20 0.0998      | 31.9 0.100       | 0.0148 0.00200   | 82.3 0.198       | 0.236 0.0398     |
| Total BTEX                         |                   | 108 0.199        | 14.4 0.0998      | 49.0 0.100       | 0.0194 0.00200   | 115 0.198        | 0.444 0.0398     |
| <b>Chloride by EPA 300</b>         | <i>Extracted:</i> | 03.25.2020 15:10 | 03.25.2020 15:10 | 03.25.2020 15:10 | 03.25.2020 15:10 | 03.25.2020 15:30 | 03.25.2020 15:30 |
|                                    | <i>Analyzed:</i>  | 03.26.2020 09:56 | 03.26.2020 10:01 | 03.26.2020 10:06 | 03.26.2020 10:12 | 03.25.2020 22:53 | 03.25.2020 23:09 |
|                                    | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Chloride                           |                   | <4.99 4.99       | 42.6 5.00        | 11.4 5.02        | <5.02 5.02       | <4.99 4.99       | 17.5 5.01        |
| <b>TPH By SW8015 Mod</b>           | <i>Extracted:</i> | 03.26.2020 16:00 | 03.26.2020 16:00 | 03.26.2020 16:00 | 03.26.2020 16:00 | 03.26.2020 16:00 | 03.26.2020 16:00 |
|                                    | <i>Analyzed:</i>  | 03.27.2020 04:43 | 03.27.2020 05:04 | 03.27.2020 05:26 | 03.27.2020 05:48 | 03.27.2020 06:09 | 03.27.2020 06:36 |
|                                    | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Gasoline Range Hydrocarbons (GRO)  |                   | 4120 250         | 1410 250         | 1750 250         | <49.9 49.9       | 7390 500         | <49.8 49.8       |
| Diesel Range Organics (DRO)        |                   | 30000 250        | 11000 250        | 13900 250        | 480 49.9         | 45500 500        | 541 49.8         |
| Motor Oil Range Hydrocarbons (MRO) |                   | 2740 250         | 1090 250         | 1340 250         | 74.7 49.9        | 4420 500         | 99.5 49.8        |
| Total TPH                          |                   | 36900 250        | 13500 250        | 17000 250        | 555 49.9         | 57300 500        | 641 49.8         |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor  
Project Manager



# Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

## Project Name: South Loco Hills

**Project Id:**

**Contact:** Ben Arguijo

**Project Location:** Granville Ramsey

**Date Received in Lab:** Wed 03.25.2020 11:00

**Report Date:** 03.31.2020 16:10

**Project Manager:** Holly Taylor

| <i>Analysis Requested</i>          | <i>Lab Id:</i>    | 656759-007       | 656759-008       | 656759-009       | 656759-010       | 656759-011       | 656759-012       |
|------------------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                    | <i>Field Id:</i>  | SP-4 Surface     | SP-4 @2 ft       | SP-1 West @ 1 ft | SP-1 West @ 2 ft | SP-1 South @ 1ft | SP-1 South @ 2ft |
|                                    | <i>Depth:</i>     |                  | 2- ft            | 1- ft            | 2- ft            | 1- ft            | 2- ft            |
|                                    | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL             | SOIL             | SOIL             | SOIL             |
|                                    | <i>Sampled:</i>   | 03.18.2020 10:25 | 03.18.2020 10:45 | 03.19.2020 09:35 | 03.19.2020 09:40 | 03.19.2020 09:55 | 03.19.2020 10:00 |
| <b>BTEX by EPA 8021B</b>           | <i>Extracted:</i> | 03.27.2020 16:30 | 03.27.2020 16:30 | 03.27.2020 16:30 | 03.27.2020 16:30 | 03.27.2020 16:30 | 03.27.2020 16:30 |
|                                    | <i>Analyzed:</i>  | 03.28.2020 19:09 | 03.28.2020 19:29 | 03.28.2020 17:06 | 03.28.2020 15:03 | 03.28.2020 12:41 | 03.28.2020 13:01 |
|                                    | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Benzene                            |                   | 1.62 0.199       | 0.349 0.200      | <0.100 0.100     | <0.0397 0.0397   | <0.0199 0.0199   | <0.0199 0.0199   |
| Toluene                            |                   | 80.1 D 0.996     | 6.29 0.200       | 0.149 0.100      | 0.0440 0.0397    | 0.0423 0.0199    | 0.0417 0.0199    |
| Ethylbenzene                       |                   | 123 D 0.996      | 21.9 0.200       | 0.797 0.100      | 0.0540 0.0397    | <0.0199 0.0199   | 0.0269 0.0199    |
| m,p-Xylenes                        |                   | 142 D 1.99       | 24.8 0.401       | 0.838 0.200      | <0.0794 0.0794   | <0.0398 0.0398   | 0.0434 0.0398    |
| o-Xylene                           |                   | 60.1 D 0.996     | 12.4 0.200       | 0.597 0.100      | <0.0397 0.0397   | <0.0199 0.0199   | <0.0199 0.0199   |
| Total Xylenes                      |                   | 202 0.996        | 37.2 0.200       | 1.44 0.100       | <0.0397 0.0397   | <0.0199 0.0199   | 0.0434 0.0199    |
| Total BTEX                         |                   | 407 0.199        | 65.7 0.200       | 2.38 0.100       | 0.0980 0.0397    | 0.0423 0.0199    | 0.112 0.0199     |
| <b>Chloride by EPA 300</b>         | <i>Extracted:</i> | 03.25.2020 15:30 | 03.25.2020 15:30 | 03.25.2020 15:30 | 03.25.2020 15:30 | 03.25.2020 15:30 | 03.25.2020 15:30 |
|                                    | <i>Analyzed:</i>  | 03.25.2020 23:14 | 03.25.2020 23:19 | 03.25.2020 23:24 | 03.25.2020 23:40 | 03.25.2020 23:46 | 03.25.2020 23:51 |
|                                    | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Chloride                           |                   | 14.7 5.00        | <4.98 4.98       | 871 5.02         | 533 5.05         | 795 5.05         | 637 5.02         |
| <b>TPH By SW8015 Mod</b>           | <i>Extracted:</i> | 03.26.2020 16:00 | 03.26.2020 16:00 | 03.26.2020 16:00 | 03.26.2020 16:00 | 03.26.2020 16:00 | 03.26.2020 16:00 |
|                                    | <i>Analyzed:</i>  | 03.27.2020 06:57 | 03.27.2020 07:18 | 03.27.2020 09:24 | 03.27.2020 09:45 | 03.27.2020 10:05 | 03.27.2020 06:36 |
|                                    | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Gasoline Range Hydrocarbons (GRO)  |                   | 9040 250         | 2030 249         | <49.8 49.8       | <50.0 50.0       | <50.0 50.0       | <49.9 49.9       |
| Diesel Range Organics (DRO)        |                   | 30500 250        | 9950 249         | 150 49.8         | 183 50.0         | 140 50.0         | 86.6 49.9        |
| Motor Oil Range Hydrocarbons (MRO) |                   | 2620 250         | 968 249          | <49.8 49.8       | 58.3 50.0        | <50.0 50.0       | <49.9 49.9       |
| Total TPH                          |                   | 42200 250        | 12900 249        | 150 49.8         | 241 50.0         | 140 50.0         | 86.6 49.9        |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor  
Project Manager



# Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

**Project Name:** South Loco Hills

**Project Id:**

**Contact:** Ben Arguijo

**Project Location:** Granville Ramsey

**Date Received in Lab:** Wed 03.25.2020 11:00

**Report Date:** 03.31.2020 16:10

**Project Manager:** Holly Taylor

| <i>Analysis Requested</i>          | <i>Lab Id:</i>    | 656759-013       | 656759-014       | 656759-015          | 656759-016       | 656759-017          | 656759-018       |
|------------------------------------|-------------------|------------------|------------------|---------------------|------------------|---------------------|------------------|
|                                    | <i>Field Id:</i>  | SP-2 West @ 1 ft | SP-2 West @ 2 ft | SP-3 West @ Surface | SP-3 West @ 2 ft | SP-3 East @ Surface | SP-3 East @ 2 ft |
|                                    | <i>Depth:</i>     | 1- ft            | 2- ft            |                     | 2- ft            |                     | 2- ft            |
|                                    | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL                | SOIL             | SOIL                | SOIL             |
|                                    | <i>Sampled:</i>   | 03.19.2020 10:15 | 03.19.2020 10:20 | 03.19.2020 10:30    | 03.19.2020 10:40 | 03.19.2020 10:50    | 03.19.2020 11:00 |
| <b>BTEX by EPA 8021B</b>           | <i>Extracted:</i> | 03.27.2020 16:30 | 03.27.2020 16:30 | 03.27.2020 16:30    | 03.27.2020 13:30 | 03.27.2020 13:30    | 03.27.2020 13:30 |
|                                    | <i>Analyzed:</i>  | 03.28.2020 13:21 | 03.28.2020 13:42 | 03.28.2020 14:02    | 03.28.2020 22:36 | 03.28.2020 14:57    | 03.28.2020 15:17 |
|                                    | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL            | mg/kg RL         | mg/kg RL            | mg/kg RL         |
| Benzene                            |                   | <0.0200 0.0200   | <0.0202 0.0202   | <0.0198 0.0198      | <0.0996 0.0996   | 0.00382 X 0.00201   | <0.00198 0.00198 |
| Toluene                            |                   | 0.0464 0.0200    | 0.0468 0.0202    | 0.0420 0.0198       | 3.04 0.0996      | 0.0551 XF 0.00201   | <0.00198 0.00198 |
| Ethylbenzene                       |                   | <0.0200 0.0200   | <0.0202 0.0202   | <0.0198 0.0198      | 9.54 0.0996      | 0.0466 XF 0.00201   | <0.00198 0.00198 |
| m,p-Xylenes                        |                   | <0.0400 0.0400   | <0.0403 0.0403   | <0.0397 0.0397      | 11.9 0.199       | 0.0433 XF 0.00402   | <0.00397 0.00397 |
| o-Xylene                           |                   | <0.0200 0.0200   | <0.0202 0.0202   | 0.0250 0.0198       | 5.66 0.0996      | 0.0215 XF 0.00201   | 0.00727 0.00198  |
| Total Xylenes                      |                   | <0.0200 0.0200   | <0.0202 0.0202   | 0.0250 0.0198       | 17.6 0.0996      | 0.0648 0.00201      | 0.00727 0.00198  |
| Total BTEX                         |                   | 0.0464 0.0200    | 0.0468 0.0202    | 0.0670 0.0198       | 30.1 0.0996      | 0.170 0.00201       | 0.00727 0.00198  |
| <b>Chloride by EPA 300</b>         | <i>Extracted:</i> | 03.25.2020 15:30 | 03.25.2020 15:30 | 03.25.2020 15:30    | 03.25.2020 15:30 | 03.25.2020 15:30    | 03.25.2020 15:30 |
|                                    | <i>Analyzed:</i>  | 03.25.2020 23:56 | 03.26.2020 00:01 | 03.26.2020 00:07    | 03.26.2020 00:22 | 03.26.2020 00:28    | 03.26.2020 00:44 |
|                                    | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL            | mg/kg RL         | mg/kg RL            | mg/kg RL         |
| Chloride                           |                   | 34.4 5.04        | 148 4.97         | 9.57 4.98           | 8.58 4.95        | <5.05 5.05          | <4.99 4.99       |
| <b>TPH By SW8015 Mod</b>           | <i>Extracted:</i> | 03.26.2020 16:00 | 03.26.2020 16:00 | 03.26.2020 16:00    | 03.26.2020 16:00 | 03.26.2020 16:00    | 03.26.2020 16:00 |
|                                    | <i>Analyzed:</i>  | 03.27.2020 06:57 | 03.27.2020 07:18 | 03.27.2020 07:39    | 03.27.2020 10:26 | 03.27.2020 08:21    | 03.27.2020 08:42 |
|                                    | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL            | mg/kg RL         | mg/kg RL            | mg/kg RL         |
| Gasoline Range Hydrocarbons (GRO)  |                   | <50.0 50.0       | <50.0 50.0       | <49.9 49.9          | 805 50.0         | <250 250            | <49.9 49.9       |
| Diesel Range Organics (DRO)        |                   | <50.0 50.0       | <50.0 50.0       | <49.9 49.9          | 2620 50.0        | 6310 250            | 70.1 49.9        |
| Motor Oil Range Hydrocarbons (MRO) |                   | <50.0 50.0       | <50.0 50.0       | <49.9 49.9          | 217 50.0         | 1340 250            | <49.9 49.9       |
| Total TPH                          |                   | <50.0 50.0       | <50.0 50.0       | <49.9 49.9          | 3640 50.0        | 7650 250            | 70.1 49.9        |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Holly Taylor  
Project Manager



# Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

**Project Name:** South Loco Hills

**Project Id:**

**Contact:** Ben Arguijo

**Project Location:** Granville Ramsey

**Date Received in Lab:** Wed 03.25.2020 11:00

**Report Date:** 03.31.2020 16:10

**Project Manager:** Holly Taylor

| <i>Analysis Requested</i> | <i>Lab Id:</i>    | 656759-019          | 656759-020       | 656759-021           | 656759-022        |  |  |
|---------------------------|-------------------|---------------------|------------------|----------------------|-------------------|--|--|
|                           | <i>Field Id:</i>  | SP-4 West @ Surface | SP-4 West @ 2 ft | SP-4 South @ Surface | SP-4 South @ 2 ft |  |  |
|                           | <i>Depth:</i>     |                     | 2- ft            |                      | 2- ft             |  |  |
|                           | <i>Matrix:</i>    | SOIL                | SOIL             | SOIL                 | SOIL              |  |  |
|                           | <i>Sampled:</i>   | 03.19.2020 11:05    | 03.19.2020 11:15 | 03.19.2020 11:30     | 03.19.2020 11:40  |  |  |
| <b>BTEX by EPA 8021B</b>  | <i>Extracted:</i> | 03.27.2020 13:30    | 03.27.2020 13:30 | 03.27.2020 13:30     | 03.27.2020 13:30  |  |  |
|                           | <i>Analyzed:</i>  | 03.28.2020 15:37    | 03.28.2020 15:57 | 03.28.2020 16:18     | 03.28.2020 17:36  |  |  |
|                           | <i>Units/RL:</i>  | mg/kg RL            | mg/kg RL         | mg/kg RL             | mg/kg RL          |  |  |
| Benzene                   |                   | <0.00199 0.00199    | <0.00201 0.00201 | <0.00199 0.00199     | <0.00198 0.00198  |  |  |
| Toluene                   |                   | <0.00199 0.00199    | 0.00510 0.00201  | <0.00199 0.00199     | <0.00198 0.00198  |  |  |
| Ethylbenzene              |                   | <0.00199 0.00199    | 0.00224 0.00201  | <0.00199 0.00199     | <0.00198 0.00198  |  |  |
| m,p-Xylenes               |                   | <0.00398 0.00398    | 0.0223 0.00402   | <0.00398 0.00398     | <0.00397 0.00397  |  |  |
| o-Xylene                  |                   | <0.00199 0.00199    | 0.0161 0.00201   | <0.00199 0.00199     | <0.00198 0.00198  |  |  |
| Total Xylenes             |                   | <0.00199 0.00199    | 0.0384 0.00201   | <0.00199 0.00199     | <0.00198 0.00198  |  |  |
| Total BTEX                |                   | <0.00199 0.00199    | 0.0457 0.00201   | <0.00199 0.00199     | <0.00198 0.00198  |  |  |

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Holly Taylor  
Project Manager



# Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

**Project Name:** South Loco Hills

**Project Id:**

**Contact:** Ben Arguijo

**Project Location:** Granville Ramsey

**Date Received in Lab:** Wed 03.25.2020 11:00

**Report Date:** 03.31.2020 16:10

**Project Manager:** Holly Taylor

|                                    |                                                                                                                                               |                                                                     |                                                                |                                                                      |  |  |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------|--|--|
| <b>Analysis Requested</b>          | <b>Lab Id:</b> 656759-019<br><b>Field Id:</b> SP-4 West @ Surface<br><b>Depth:</b><br><b>Matrix:</b> SOIL<br><b>Sampled:</b> 03.19.2020 11:05 | 656759-020<br>SP-4 West @ 2 ft<br>2- ft<br>SOIL<br>03.19.2020 11:15 | 656759-021<br>SP-4 South @ Surface<br>SOIL<br>03.19.2020 11:30 | 656759-022<br>SP-4 South @ 2 ft<br>2- ft<br>SOIL<br>03.19.2020 11:40 |  |  |
| <b>Chloride by EPA 300</b>         | <b>Extracted:</b> 03.25.2020 15:30<br><b>Analyzed:</b> 03.26.2020 00:49<br><b>Units/RL:</b> mg/kg RL                                          | 03.25.2020 15:30<br>03.26.2020 00:54<br>mg/kg RL                    | 03.25.2020 15:30<br>03.26.2020 00:59<br>mg/kg RL               | 03.25.2020 15:30<br>03.26.2020 01:05<br>mg/kg RL                     |  |  |
| Chloride                           | 7.40 5.03                                                                                                                                     | 52.3 4.97                                                           | <4.96 4.96                                                     | <5.01 5.01                                                           |  |  |
| <b>TPH By SW8015 Mod</b>           | <b>Extracted:</b> 03.28.2020 11:00<br><b>Analyzed:</b> 03.29.2020 04:56<br><b>Units/RL:</b> mg/kg RL                                          | 03.28.2020 11:00<br>03.29.2020 05:17<br>mg/kg RL                    | 03.28.2020 11:00<br>03.29.2020 05:38<br>mg/kg RL               | 03.28.2020 11:00<br>03.29.2020 05:59<br>mg/kg RL                     |  |  |
| Gasoline Range Hydrocarbons (GRO)  | <50.0 50.0                                                                                                                                    | <50.0 50.0                                                          | <49.9 49.9                                                     | <50.0 50.0                                                           |  |  |
| Diesel Range Organics (DRO)        | <50.0 50.0                                                                                                                                    | <50.0 50.0                                                          | <49.9 49.9                                                     | <50.0 50.0                                                           |  |  |
| Motor Oil Range Hydrocarbons (MRO) | <50.0 50.0                                                                                                                                    | <50.0 50.0                                                          | <49.9 49.9                                                     | <50.0 50.0                                                           |  |  |
| Total TPH                          | <50.0 50.0                                                                                                                                    | <50.0 50.0                                                          | <49.9 49.9                                                     | <50.0 50.0                                                           |  |  |

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Holly Taylor  
Project Manager



# Analytical Report 656759

for

**Trinity Oilfield Services & Rentals, LLC**

**Project Manager: Ben Arguijo**

**South Loco Hills**

**03.31.2020**

Collected By: Client



**1211 W. Florida Ave  
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):  
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)  
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):  
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)  
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)  
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)  
Xenco-Carlsbad (LELAP): Louisiana (05092)  
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)  
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)  
Xenco-Tampa: Florida (E87429), North Carolina (483)



03.31.2020

Project Manager: **Ben Arguijo**  
**Trinity Oilfield Services & Rentals, LLC**  
PO BOX 2587  
Hobbs, NM 88241

Reference: XENCO Report No(s): **656759**  
**South Loco Hills**  
Project Address: Granville Ramsey

**Ben Arguijo:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 656759. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 656759 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Holly Taylor'.

---

**Holly Taylor**  
Project Manager

*A Small Business and Minority Company*

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## Sample Cross Reference 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills

| Sample Id            | Matrix | Date Collected   | Sample Depth | Lab Sample Id |
|----------------------|--------|------------------|--------------|---------------|
| SP-1 Surface         | S      | 03.18.2020 09:00 |              | 656759-001    |
| SP-1 @ 4 ft          | S      | 03.18.2020 09:30 | 4 ft         | 656759-002    |
| SP-2 Surface         | S      | 03.18.2020 09:40 |              | 656759-003    |
| SP-2 2 ft            | S      | 03.18.2020 09:55 | 2 ft         | 656759-004    |
| SP-3 Surface         | S      | 03.18.2020 10:00 |              | 656759-005    |
| SP-3 @ 2 ft          | S      | 03.18.2020 10:20 | 2 ft         | 656759-006    |
| SP-4 Surface         | S      | 03.18.2020 10:25 |              | 656759-007    |
| SP-4 @2 ft           | S      | 03.18.2020 10:45 | 2 ft         | 656759-008    |
| SP-1 West @ 1 ft     | S      | 03.19.2020 09:35 | 1 ft         | 656759-009    |
| SP-1 West @ 2 ft     | S      | 03.19.2020 09:40 | 2 ft         | 656759-010    |
| SP-1 South @ 1ft     | S      | 03.19.2020 09:55 | 1 ft         | 656759-011    |
| SP-1 South @ 2ft     | S      | 03.19.2020 10:00 | 2 ft         | 656759-012    |
| SP-2 West @ 1 ft     | S      | 03.19.2020 10:15 | 1 ft         | 656759-013    |
| SP-2 West @ 2 ft     | S      | 03.19.2020 10:20 | 2 ft         | 656759-014    |
| SP-3 West @ Surface  | S      | 03.19.2020 10:30 |              | 656759-015    |
| SP-3 West @ 2 ft     | S      | 03.19.2020 10:40 | 2 ft         | 656759-016    |
| SP-3 East @ Surface  | S      | 03.19.2020 10:50 |              | 656759-017    |
| SP-3 East @ 2 ft     | S      | 03.19.2020 11:00 | 2 ft         | 656759-018    |
| SP-4 West @ Surface  | S      | 03.19.2020 11:05 |              | 656759-019    |
| SP-4 West @ 2 ft     | S      | 03.19.2020 11:15 | 2 ft         | 656759-020    |
| SP-4 South @ Surface | S      | 03.19.2020 11:30 |              | 656759-021    |
| SP-4 South @ 2 ft    | S      | 03.19.2020 11:40 | 2 ft         | 656759-022    |

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: South Loco Hills**Project ID:  
Work Order Number(s): 656759Report Date: 03.31.2020  
Date Received: 03.25.2020**Sample receipt non conformances and comments:****Sample receipt non conformances and comments per sample:**

None

**Analytical non conformances and comments:**Batch: LBA-3120940 Chloride by EPA 300  
BKS recovery high, MS/MSDs qualify data.Batch: LBA-3121378 BTEX by EPA 8021B  
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.Batch: LBA-3121379 BTEX by EPA 8021B  
Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.  
Samples affected are: 656759-007,656759-013,656759-014,656759-015,656759-006,656759-010,656759-002,656759-003,656759-009,656759-001,656759-005,656759-008,656759-011,656759-012.  
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.Batch: LBA-3121384 BTEX by EPA 8021B  
Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.  
Samples in the analytical batch are: 656759-016, -017, -018, -019, -020, -021, -022

Lab Sample ID 656759-017 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 656759-016, -017, -018, -019, -020, -021, -022.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.  
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.  
Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected.  
Samples affected are: 656759-019,656759-020.



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 Surface** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-001 Date Collected: 03.18.2020 09:00  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:10 Basis: Wet Weight  
 Seq Number: 3120976

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <4.99  | 4.99 | mg/kg | 03.26.2020 09:56 | U    | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|-----|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | 4120   | 250 | mg/kg | 03.27.2020 04:43 |      | 5   |
| Diesel Range Organics (DRO)        | C10C28DRO  | 30000  | 250 | mg/kg | 03.27.2020 04:43 |      | 5   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | 2740   | 250 | mg/kg | 03.27.2020 04:43 |      | 5   |
| Total TPH                          | PHC635     | 36900  | 250 | mg/kg | 03.27.2020 04:43 |      | 5   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 128        | %     | 70-135 | 03.27.2020 04:43 |      |
| o-Terphenyl    | 84-15-1    | 100        | %     | 70-135 | 03.27.2020 04:43 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-001

Date Collected: 03.18.2020 09:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| <b>Benzene</b>       | 71-43-2           | <b>0.202</b>      | 0.199        | mg/kg         | 03.28.2020 18:28     |             | 100 |
| <b>Toluene</b>       | 108-88-3          | <b>7.30</b>       | 0.199        | mg/kg         | 03.28.2020 18:28     |             | 100 |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>32.6</b>       | 0.199        | mg/kg         | 03.28.2020 18:28     |             | 100 |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>43.5</b>       | 0.398        | mg/kg         | 03.28.2020 18:28     |             | 100 |
| <b>o-Xylene</b>      | 95-47-6           | <b>23.9</b>       | 0.199        | mg/kg         | 03.28.2020 18:28     |             | 100 |
| <b>Total Xylenes</b> | 1330-20-7         | <b>67.4</b>       | 0.199        | mg/kg         | 03.28.2020 18:28     |             | 100 |
| <b>Total BTEX</b>    |                   | <b>108</b>        | 0.199        | mg/kg         | 03.28.2020 18:28     |             | 100 |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 242               | %            | 70-130        | 03.28.2020 18:28     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 105               | %            | 70-130        | 03.28.2020 18:28     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 @ 4 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-002 Date Collected: 03.18.2020 09:30 Sample Depth: 4 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:10 Basis: Wet Weight  
 Seq Number: 3120976

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 42.6   | 5.00 | mg/kg | 03.26.2020 10:01 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|-----|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | 1410   | 250 | mg/kg | 03.27.2020 05:04 |      | 5   |
| Diesel Range Organics (DRO)        | C10C28DRO  | 11000  | 250 | mg/kg | 03.27.2020 05:04 |      | 5   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | 1090   | 250 | mg/kg | 03.27.2020 05:04 |      | 5   |
| Total TPH                          | PHC635     | 13500  | 250 | mg/kg | 03.27.2020 05:04 |      | 5   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 125        | %     | 70-135 | 03.27.2020 05:04 |      |
| o-Terphenyl    | 84-15-1    | 120        | %     | 70-135 | 03.27.2020 05:04 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 @ 4 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-002

Date Collected: 03.18.2020 09:30

Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.0998           | 0.0998       | mg/kg         | 03.28.2020 16:26     | U           | 50  |
| <b>Toluene</b>       | 108-88-3          | <b>0.776</b>      | 0.0998       | mg/kg         | 03.28.2020 16:26     |             | 50  |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>4.45</b>       | 0.0998       | mg/kg         | 03.28.2020 16:26     |             | 50  |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>4.95</b>       | 0.200        | mg/kg         | 03.28.2020 16:26     |             | 50  |
| <b>o-Xylene</b>      | 95-47-6           | <b>4.25</b>       | 0.0998       | mg/kg         | 03.28.2020 16:26     |             | 50  |
| <b>Total Xylenes</b> | 1330-20-7         | <b>9.20</b>       | 0.0998       | mg/kg         | 03.28.2020 16:26     |             | 50  |
| <b>Total BTEX</b>    |                   | <b>14.4</b>       | 0.0998       | mg/kg         | 03.28.2020 16:26     |             | 50  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 142               | %            | 70-130        | 03.28.2020 16:26     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 99                | %            | 70-130        | 03.28.2020 16:26     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-003

Date Collected: 03.18.2020 09:40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.2020 15:10

Basis: Wet Weight

Seq Number: 3120976

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 11.4   | 5.02 | mg/kg | 03.26.2020 10:06 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 03.26.2020 16:00

Basis: Wet Weight

Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|-----|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | 1750   | 250 | mg/kg | 03.27.2020 05:26 |      | 5   |
| Diesel Range Organics (DRO)        | C10C28DRO  | 13900  | 250 | mg/kg | 03.27.2020 05:26 |      | 5   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | 1340   | 250 | mg/kg | 03.27.2020 05:26 |      | 5   |
| Total TPH                          | PHC635     | 17000  | 250 | mg/kg | 03.27.2020 05:26 |      | 5   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 128        | %     | 70-135 | 03.27.2020 05:26 |      |
| o-Terphenyl    | 84-15-1    | 106        | %     | 70-135 | 03.27.2020 05:26 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-003

Date Collected: 03.18.2020 09:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.100            | 0.100        | mg/kg         | 03.28.2020 16:46     | U           | 50  |
| <b>Toluene</b>       | 108-88-3          | <b>2.24</b>       | 0.100        | mg/kg         | 03.28.2020 16:46     |             | 50  |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>14.9</b>       | 0.100        | mg/kg         | 03.28.2020 16:46     |             | 50  |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>20.4</b>       | 0.200        | mg/kg         | 03.28.2020 16:46     |             | 50  |
| <b>o-Xylene</b>      | 95-47-6           | <b>11.5</b>       | 0.100        | mg/kg         | 03.28.2020 16:46     |             | 50  |
| <b>Total Xylenes</b> | 1330-20-7         | <b>31.9</b>       | 0.100        | mg/kg         | 03.28.2020 16:46     |             | 50  |
| <b>Total BTEX</b>    |                   | <b>49.0</b>       | 0.100        | mg/kg         | 03.28.2020 16:46     |             | 50  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 270               | %            | 70-130        | 03.28.2020 16:46     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 103               | %            | 70-130        | 03.28.2020 16:46     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-004 Date Collected: 03.18.2020 09:55 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:10 Basis: Wet Weight  
 Seq Number: 3120976

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <5.02  | 5.02 | mg/kg | 03.26.2020 10:12 | U    | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                                 | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|-------------------------------------------|------------|-------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)         | PHC610     | <49.9       | 49.9 | mg/kg | 03.27.2020 05:48 | U    | 1   |
| <b>Diesel Range Organics (DRO)</b>        | C10C28DRO  | <b>480</b>  | 49.9 | mg/kg | 03.27.2020 05:48 |      | 1   |
| <b>Motor Oil Range Hydrocarbons (MRO)</b> | PHCG2835   | <b>74.7</b> | 49.9 | mg/kg | 03.27.2020 05:48 |      | 1   |
| <b>Total TPH</b>                          | PHC635     | <b>555</b>  | 49.9 | mg/kg | 03.27.2020 05:48 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 107        | %     | 70-135 | 03.27.2020 05:48 |      |
| o-Terphenyl    | 84-15-1    | 116        | %     | 70-135 | 03.27.2020 05:48 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 2 ft**  
Lab Sample Id: 656759-004

Matrix: Soil  
Date Collected: 03.18.2020 09:55

Date Received: 03.25.2020 11:00  
Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.30.2020 08:30

Basis: Wet Weight

Seq Number: 3121378

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 03.30.2020 13:29     | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 03.30.2020 13:29     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <b>0.00452</b>    | 0.00200      | mg/kg         | 03.30.2020 13:29     |             | 1   |
| m,p-Xylenes          | 179601-23-1       | <b>0.00756</b>    | 0.00399      | mg/kg         | 03.30.2020 13:29     |             | 1   |
| o-Xylene             | 95-47-6           | <b>0.00728</b>    | 0.00200      | mg/kg         | 03.30.2020 13:29     |             | 1   |
| Total Xylenes        | 1330-20-7         | <b>0.0148</b>     | 0.00200      | mg/kg         | 03.30.2020 13:29     |             | 1   |
| Total BTEX           |                   | <b>0.0194</b>     | 0.00200      | mg/kg         | 03.30.2020 13:29     |             | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 107               | %            | 70-130        | 03.30.2020 13:29     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 104               | %            | 70-130        | 03.30.2020 13:29     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 Surface** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-005 Date Collected: 03.18.2020 10:00  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <4.99  | 4.99 | mg/kg | 03.25.2020 22:53 | U    | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|-----|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | 7390   | 500 | mg/kg | 03.27.2020 06:09 |      | 10  |
| Diesel Range Organics (DRO)        | C10C28DRO  | 45500  | 500 | mg/kg | 03.27.2020 06:09 |      | 10  |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | 4420   | 500 | mg/kg | 03.27.2020 06:09 |      | 10  |
| Total TPH                          | PHC635     | 57300  | 500 | mg/kg | 03.27.2020 06:09 |      | 10  |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 98         | %     | 70-135 | 03.27.2020 06:09 |      |
| o-Terphenyl    | 84-15-1    | 96         | %     | 70-135 | 03.27.2020 06:09 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-005

Date Collected: 03.18.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| <b>Benzene</b>       | 71-43-2           | <b>0.588</b>      | 0.198        | mg/kg         | 03.28.2020 18:48     |             | 100 |
| <b>Toluene</b>       | 108-88-3          | <b>9.67</b>       | 0.198        | mg/kg         | 03.28.2020 18:48     |             | 100 |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>22.3</b>       | 0.198        | mg/kg         | 03.28.2020 18:48     |             | 100 |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>49.8</b>       | 0.397        | mg/kg         | 03.28.2020 18:48     |             | 100 |
| <b>o-Xylene</b>      | 95-47-6           | <b>32.5</b>       | 0.198        | mg/kg         | 03.28.2020 18:48     |             | 100 |
| <b>Total Xylenes</b> | 1330-20-7         | <b>82.3</b>       | 0.198        | mg/kg         | 03.28.2020 18:48     |             | 100 |
| <b>Total BTEX</b>    |                   | <b>115</b>        | 0.198        | mg/kg         | 03.28.2020 18:48     |             | 100 |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 229               | %            | 70-130        | 03.28.2020 18:48     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 105               | %            | 70-130        | 03.28.2020 18:48     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-006 Date Collected: 03.18.2020 10:20 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 17.5   | 5.01 | mg/kg | 03.25.2020 23:09 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.8  | 49.8 | mg/kg | 03.27.2020 06:36 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | 541    | 49.8 | mg/kg | 03.27.2020 06:36 |      | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | 99.5   | 49.8 | mg/kg | 03.27.2020 06:36 |      | 1   |
| Total TPH                          | PHC635     | 641    | 49.8 | mg/kg | 03.27.2020 06:36 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 110        | %     | 70-135 | 03.27.2020 06:36 |      |
| o-Terphenyl    | 84-15-1    | 115        | %     | 70-135 | 03.27.2020 06:36 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 @ 2 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-006

Date Collected: 03.18.2020 10:20

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.0398           | 0.0398       | mg/kg         | 03.28.2020 14:43     | U           | 20  |
| <b>Toluene</b>       | 108-88-3          | <b>0.0604</b>     | 0.0398       | mg/kg         | 03.28.2020 14:43     |             | 20  |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>0.148</b>      | 0.0398       | mg/kg         | 03.28.2020 14:43     |             | 20  |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>0.130</b>      | 0.0797       | mg/kg         | 03.28.2020 14:43     |             | 20  |
| <b>o-Xylene</b>      | 95-47-6           | <b>0.106</b>      | 0.0398       | mg/kg         | 03.28.2020 14:43     |             | 20  |
| <b>Total Xylenes</b> | 1330-20-7         | <b>0.236</b>      | 0.0398       | mg/kg         | 03.28.2020 14:43     |             | 20  |
| <b>Total BTEX</b>    |                   | <b>0.444</b>      | 0.0398       | mg/kg         | 03.28.2020 14:43     |             | 20  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 106               | %            | 70-130        | 03.28.2020 14:43     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 134               | %            | 70-130        | 03.28.2020 14:43     | **          |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 Surface** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-007 Date Collected: 03.18.2020 10:25  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 14.7   | 5.00 | mg/kg | 03.25.2020 23:14 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|-----|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | 9040   | 250 | mg/kg | 03.27.2020 06:57 |      | 5   |
| Diesel Range Organics (DRO)        | C10C28DRO  | 30500  | 250 | mg/kg | 03.27.2020 06:57 |      | 5   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | 2620   | 250 | mg/kg | 03.27.2020 06:57 |      | 5   |
| Total TPH                          | PHC635     | 42200  | 250 | mg/kg | 03.27.2020 06:57 |      | 5   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 108        | %     | 70-135 | 03.27.2020 06:57 |      |
| o-Terphenyl    | 84-15-1    | 99         | %     | 70-135 | 03.27.2020 06:57 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-007

Date Collected: 03.18.2020 10:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| <b>Benzene</b>       | 71-43-2           | <b>1.62</b>       | 0.199        | mg/kg         | 03.28.2020 19:09     |             | 100 |
| <b>Toluene</b>       | 108-88-3          | <b>80.1</b>       | 0.996        | mg/kg         | 03.30.2020 20:34     | D           | 500 |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>123</b>        | 0.996        | mg/kg         | 03.30.2020 20:34     | D           | 500 |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>142</b>        | 1.99         | mg/kg         | 03.30.2020 20:34     | D           | 500 |
| <b>o-Xylene</b>      | 95-47-6           | <b>60.1</b>       | 0.996        | mg/kg         | 03.30.2020 20:34     | D           | 500 |
| <b>Total Xylenes</b> | 1330-20-7         | <b>202</b>        | 0.996        | mg/kg         | 03.30.2020 20:34     |             | 500 |
| <b>Total BTEX</b>    |                   | <b>407</b>        | 0.199        | mg/kg         | 03.30.2020 20:34     |             | 500 |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 120               | %            | 70-130        | 03.28.2020 19:09     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 329               | %            | 70-130        | 03.28.2020 19:09     | **          |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 @2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-008 Date Collected: 03.18.2020 10:45 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <4.98  | 4.98 | mg/kg | 03.25.2020 23:19 | U    | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL  | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|-----|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | 2030   | 249 | mg/kg | 03.27.2020 07:18 |      | 5   |
| Diesel Range Organics (DRO)        | C10C28DRO  | 9950   | 249 | mg/kg | 03.27.2020 07:18 |      | 5   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | 968    | 249 | mg/kg | 03.27.2020 07:18 |      | 5   |
| Total TPH                          | PHC635     | 12900  | 249 | mg/kg | 03.27.2020 07:18 |      | 5   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 129        | %     | 70-135 | 03.27.2020 07:18 |      |
| o-Terphenyl    | 84-15-1    | 108        | %     | 70-135 | 03.27.2020 07:18 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 @2 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-008

Date Collected: 03.18.2020 10:45

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| <b>Benzene</b>       | 71-43-2           | <b>0.349</b>      | 0.200        | mg/kg         | 03.28.2020 19:29     |             | 100 |
| <b>Toluene</b>       | 108-88-3          | <b>6.29</b>       | 0.200        | mg/kg         | 03.28.2020 19:29     |             | 100 |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>21.9</b>       | 0.200        | mg/kg         | 03.28.2020 19:29     |             | 100 |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>24.8</b>       | 0.401        | mg/kg         | 03.28.2020 19:29     |             | 100 |
| <b>o-Xylene</b>      | 95-47-6           | <b>12.4</b>       | 0.200        | mg/kg         | 03.28.2020 19:29     |             | 100 |
| <b>Total Xylenes</b> | 1330-20-7         | <b>37.2</b>       | 0.200        | mg/kg         | 03.28.2020 19:29     |             | 100 |
| <b>Total BTEX</b>    |                   | <b>65.7</b>       | 0.200        | mg/kg         | 03.28.2020 19:29     |             | 100 |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 196               | %            | 70-130        | 03.28.2020 19:29     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 112               | %            | 70-130        | 03.28.2020 19:29     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 West @ 1 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-009 Date Collected: 03.19.2020 09:35 Sample Depth: 1 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 871    | 5.02 | mg/kg | 03.25.2020 23:24 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.8  | 49.8 | mg/kg | 03.27.2020 09:24 | U    | 1   |
| <b>Diesel Range Organics (DRO)</b> | C10C28DRO  | 150    | 49.8 | mg/kg | 03.27.2020 09:24 |      | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.8  | 49.8 | mg/kg | 03.27.2020 09:24 | U    | 1   |
| <b>Total TPH</b>                   | PHC635     | 150    | 49.8 | mg/kg | 03.27.2020 09:24 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 103        | %     | 70-135 | 03.27.2020 09:24 |      |
| o-Terphenyl    | 84-15-1    | 106        | %     | 70-135 | 03.27.2020 09:24 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 West @ 1 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-009 Date Collected: 03.19.2020 09:35 Sample Depth: 1 ft  
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B  
 Tech: KTL % Moisture:  
 Analyst: KTL Date Prep: 03.27.2020 16:30 Basis: Wet Weight  
 Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.100            | 0.100        | mg/kg         | 03.28.2020 17:06     | U           | 50  |
| <b>Toluene</b>       | 108-88-3          | <b>0.149</b>      | 0.100        | mg/kg         | 03.28.2020 17:06     |             | 50  |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>0.797</b>      | 0.100        | mg/kg         | 03.28.2020 17:06     |             | 50  |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>0.838</b>      | 0.200        | mg/kg         | 03.28.2020 17:06     |             | 50  |
| <b>o-Xylene</b>      | 95-47-6           | <b>0.597</b>      | 0.100        | mg/kg         | 03.28.2020 17:06     |             | 50  |
| <b>Total Xylenes</b> | 1330-20-7         | <b>1.44</b>       | 0.100        | mg/kg         | 03.28.2020 17:06     |             | 50  |
| <b>Total BTEX</b>    |                   | <b>2.38</b>       | 0.100        | mg/kg         | 03.28.2020 17:06     |             | 50  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 139               | %            | 70-130        | 03.28.2020 17:06     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 104               | %            | 70-130        | 03.28.2020 17:06     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-010 Date Collected: 03.19.2020 09:40 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 533    | 5.05 | mg/kg | 03.25.2020 23:40 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 03.27.2020 09:45 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | 183    | 50.0 | mg/kg | 03.27.2020 09:45 |      | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | 58.3   | 50.0 | mg/kg | 03.27.2020 09:45 |      | 1   |
| Total TPH                          | PHC635     | 241    | 50.0 | mg/kg | 03.27.2020 09:45 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 116        | %     | 70-135 | 03.27.2020 09:45 |      |
| o-Terphenyl    | 84-15-1    | 107        | %     | 70-135 | 03.27.2020 09:45 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-010 Date Collected: 03.19.2020 09:40 Sample Depth: 2 ft  
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B  
 Tech: KTL % Moisture:  
 Analyst: KTL Date Prep: 03.27.2020 16:30 Basis: Wet Weight  
 Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.0397           | 0.0397       | mg/kg         | 03.28.2020 15:03     | U           | 20  |
| <b>Toluene</b>       | 108-88-3          | <b>0.0440</b>     | 0.0397       | mg/kg         | 03.28.2020 15:03     |             | 20  |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>0.0540</b>     | 0.0397       | mg/kg         | 03.28.2020 15:03     |             | 20  |
| m,p-Xylenes          | 179601-23-1       | <0.0794           | 0.0794       | mg/kg         | 03.28.2020 15:03     | U           | 20  |
| o-Xylene             | 95-47-6           | <0.0397           | 0.0397       | mg/kg         | 03.28.2020 15:03     | U           | 20  |
| Total Xylenes        | 1330-20-7         | <0.0397           | 0.0397       | mg/kg         | 03.28.2020 15:03     | U           | 20  |
| <b>Total BTEX</b>    |                   | <b>0.0980</b>     | 0.0397       | mg/kg         | 03.28.2020 15:03     |             | 20  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 107               | %            | 70-130        | 03.28.2020 15:03     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 134               | %            | 70-130        | 03.28.2020 15:03     | **          |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 South @ 1ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-011 Date Collected: 03.19.2020 09:55 Sample Depth: 1 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 795    | 5.05 | mg/kg | 03.25.2020 23:46 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result     | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0      | 50.0 | mg/kg | 03.27.2020 10:05 | U    | 1   |
| <b>Diesel Range Organics (DRO)</b> | C10C28DRO  | <b>140</b> | 50.0 | mg/kg | 03.27.2020 10:05 |      | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0      | 50.0 | mg/kg | 03.27.2020 10:05 | U    | 1   |
| <b>Total TPH</b>                   | PHC635     | <b>140</b> | 50.0 | mg/kg | 03.27.2020 10:05 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 115        | %     | 70-135 | 03.27.2020 10:05 |      |
| o-Terphenyl    | 84-15-1    | 107        | %     | 70-135 | 03.27.2020 10:05 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 South @ 1ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-011

Date Collected: 03.19.2020 09:55

Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.0199           | 0.0199       | mg/kg         | 03.28.2020 12:41     | U           | 10  |
| <b>Toluene</b>       | 108-88-3          | <b>0.0423</b>     | 0.0199       | mg/kg         | 03.28.2020 12:41     |             | 10  |
| Ethylbenzene         | 100-41-4          | <0.0199           | 0.0199       | mg/kg         | 03.28.2020 12:41     | U           | 10  |
| m,p-Xylenes          | 179601-23-1       | <0.0398           | 0.0398       | mg/kg         | 03.28.2020 12:41     | U           | 10  |
| o-Xylene             | 95-47-6           | <0.0199           | 0.0199       | mg/kg         | 03.28.2020 12:41     | U           | 10  |
| Total Xylenes        | 1330-20-7         | <0.0199           | 0.0199       | mg/kg         | 03.28.2020 12:41     | U           | 10  |
| <b>Total BTEX</b>    |                   | <b>0.0423</b>     | 0.0199       | mg/kg         | 03.28.2020 12:41     |             | 10  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 116               | %            | 70-130        | 03.28.2020 12:41     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 143               | %            | 70-130        | 03.28.2020 12:41     | **          |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 South @ 2ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-012 Date Collected: 03.19.2020 10:00 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 637    | 5.02 | mg/kg | 03.25.2020 23:51 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|-------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9       | 49.9 | mg/kg | 03.27.2020 06:36 | U    | 1   |
| <b>Diesel Range Organics (DRO)</b> | C10C28DRO  | <b>86.6</b> | 49.9 | mg/kg | 03.27.2020 06:36 |      | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9       | 49.9 | mg/kg | 03.27.2020 06:36 | U    | 1   |
| <b>Total TPH</b>                   | PHC635     | <b>86.6</b> | 49.9 | mg/kg | 03.27.2020 06:36 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 104        | %     | 70-135 | 03.27.2020 06:36 |      |
| o-Terphenyl    | 84-15-1    | 110        | %     | 70-135 | 03.27.2020 06:36 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 South @ 2ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-012

Date Collected: 03.19.2020 10:00

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.0199           | 0.0199       | mg/kg         | 03.28.2020 13:01     | U           | 10  |
| <b>Toluene</b>       | 108-88-3          | <b>0.0417</b>     | 0.0199       | mg/kg         | 03.28.2020 13:01     |             | 10  |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>0.0269</b>     | 0.0199       | mg/kg         | 03.28.2020 13:01     |             | 10  |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>0.0434</b>     | 0.0398       | mg/kg         | 03.28.2020 13:01     |             | 10  |
| o-Xylene             | 95-47-6           | <0.0199           | 0.0199       | mg/kg         | 03.28.2020 13:01     | U           | 10  |
| <b>Total Xylenes</b> | 1330-20-7         | <b>0.0434</b>     | 0.0199       | mg/kg         | 03.28.2020 13:01     |             | 10  |
| <b>Total BTEX</b>    |                   | <b>0.112</b>      | 0.0199       | mg/kg         | 03.28.2020 13:01     |             | 10  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 144               | %            | 70-130        | 03.28.2020 13:01     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 122               | %            | 70-130        | 03.28.2020 13:01     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 West @ 1 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-013 Date Collected: 03.19.2020 10:15 Sample Depth: 1 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 34.4   | 5.04 | mg/kg | 03.25.2020 23:56 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 03.27.2020 06:57 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 03.27.2020 06:57 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 03.27.2020 06:57 | U    | 1   |
| Total TPH                          | PHC635     | <50.0  | 50.0 | mg/kg | 03.27.2020 06:57 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 101        | %     | 70-135 | 03.27.2020 06:57 |      |
| o-Terphenyl    | 84-15-1    | 110        | %     | 70-135 | 03.27.2020 06:57 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 West @ 1 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-013

Date Collected: 03.19.2020 10:15

Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.0200           | 0.0200       | mg/kg         | 03.28.2020 13:21     | U           | 10  |
| <b>Toluene</b>       | 108-88-3          | <b>0.0464</b>     | 0.0200       | mg/kg         | 03.28.2020 13:21     |             | 10  |
| Ethylbenzene         | 100-41-4          | <0.0200           | 0.0200       | mg/kg         | 03.28.2020 13:21     | U           | 10  |
| m,p-Xylenes          | 179601-23-1       | <0.0400           | 0.0400       | mg/kg         | 03.28.2020 13:21     | U           | 10  |
| o-Xylene             | 95-47-6           | <0.0200           | 0.0200       | mg/kg         | 03.28.2020 13:21     | U           | 10  |
| Total Xylenes        | 1330-20-7         | <0.0200           | 0.0200       | mg/kg         | 03.28.2020 13:21     | U           | 10  |
| <b>Total BTEX</b>    |                   | <b>0.0464</b>     | 0.0200       | mg/kg         | 03.28.2020 13:21     |             | 10  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 117               | %            | 70-130        | 03.28.2020 13:21     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 158               | %            | 70-130        | 03.28.2020 13:21     | **          |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-014 Date Collected: 03.19.2020 10:20 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 148    | 4.97 | mg/kg | 03.26.2020 00:01 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 03.27.2020 07:18 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 03.27.2020 07:18 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 03.27.2020 07:18 | U    | 1   |
| Total TPH                          | PHC635     | <50.0  | 50.0 | mg/kg | 03.27.2020 07:18 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 108        | %     | 70-135 | 03.27.2020 07:18 |      |
| o-Terphenyl    | 84-15-1    | 113        | %     | 70-135 | 03.27.2020 07:18 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 West @ 2 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-014

Date Collected: 03.19.2020 10:20

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.0202           | 0.0202       | mg/kg         | 03.28.2020 13:42     | U           | 10  |
| <b>Toluene</b>       | 108-88-3          | <b>0.0468</b>     | 0.0202       | mg/kg         | 03.28.2020 13:42     |             | 10  |
| Ethylbenzene         | 100-41-4          | <0.0202           | 0.0202       | mg/kg         | 03.28.2020 13:42     | U           | 10  |
| m,p-Xylenes          | 179601-23-1       | <0.0403           | 0.0403       | mg/kg         | 03.28.2020 13:42     | U           | 10  |
| o-Xylene             | 95-47-6           | <0.0202           | 0.0202       | mg/kg         | 03.28.2020 13:42     | U           | 10  |
| Total Xylenes        | 1330-20-7         | <0.0202           | 0.0202       | mg/kg         | 03.28.2020 13:42     | U           | 10  |
| <b>Total BTEX</b>    |                   | <b>0.0468</b>     | 0.0202       | mg/kg         | 03.28.2020 13:42     |             | 10  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 153               | %            | 70-130        | 03.28.2020 13:42     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 118               | %            | 70-130        | 03.28.2020 13:42     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 West @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-015

Date Collected: 03.19.2020 10:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.2020 15:30

Basis: Wet Weight

Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 9.57   | 4.98 | mg/kg | 03.26.2020 00:07 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 03.26.2020 16:00

Basis: Wet Weight

Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 03.27.2020 07:39 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 03.27.2020 07:39 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 03.27.2020 07:39 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 03.27.2020 07:39 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 108        | %     | 70-135 | 03.27.2020 07:39 |      |
| o-Terphenyl    | 84-15-1    | 115        | %     | 70-135 | 03.27.2020 07:39 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 West @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-015

Date Collected: 03.19.2020 10:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.0198           | 0.0198       | mg/kg         | 03.28.2020 14:02     | U           | 10  |
| <b>Toluene</b>       | 108-88-3          | <b>0.0420</b>     | 0.0198       | mg/kg         | 03.28.2020 14:02     |             | 10  |
| Ethylbenzene         | 100-41-4          | <0.0198           | 0.0198       | mg/kg         | 03.28.2020 14:02     | U           | 10  |
| m,p-Xylenes          | 179601-23-1       | <0.0397           | 0.0397       | mg/kg         | 03.28.2020 14:02     | U           | 10  |
| <b>o-Xylene</b>      | 95-47-6           | <b>0.0250</b>     | 0.0198       | mg/kg         | 03.28.2020 14:02     |             | 10  |
| <b>Total Xylenes</b> | 1330-20-7         | <b>0.0250</b>     | 0.0198       | mg/kg         | 03.28.2020 14:02     |             | 10  |
| <b>Total BTEX</b>    |                   | <b>0.0670</b>     | 0.0198       | mg/kg         | 03.28.2020 14:02     |             | 10  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 148               | %            | 70-130        | 03.28.2020 14:02     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 115               | %            | 70-130        | 03.28.2020 14:02     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-016 Date Collected: 03.19.2020 10:40 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 8.58   | 4.95 | mg/kg | 03.26.2020 00:22 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | 805    | 50.0 | mg/kg | 03.27.2020 10:26 |      | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | 2620   | 50.0 | mg/kg | 03.27.2020 10:26 |      | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | 217    | 50.0 | mg/kg | 03.27.2020 10:26 |      | 1   |
| Total TPH                          | PHC635     | 3640   | 50.0 | mg/kg | 03.27.2020 10:26 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 118        | %     | 70-135 | 03.27.2020 10:26 |      |
| o-Terphenyl    | 84-15-1    | 115        | %     | 70-135 | 03.27.2020 10:26 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-016 Date Collected: 03.19.2020 10:40 Sample Depth: 2 ft  
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B  
 Tech: KTL % Moisture:  
 Analyst: KTL Date Prep: 03.27.2020 13:30 Basis: Wet Weight  
 Seq Number: 3121384

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.0996           | 0.0996       | mg/kg         | 03.28.2020 22:36     | U           | 50  |
| <b>Toluene</b>       | 108-88-3          | <b>3.04</b>       | 0.0996       | mg/kg         | 03.28.2020 22:36     |             | 50  |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>9.54</b>       | 0.0996       | mg/kg         | 03.28.2020 22:36     |             | 50  |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>11.9</b>       | 0.199        | mg/kg         | 03.28.2020 22:36     |             | 50  |
| <b>o-Xylene</b>      | 95-47-6           | <b>5.66</b>       | 0.0996       | mg/kg         | 03.28.2020 22:36     |             | 50  |
| <b>Total Xylenes</b> | 1330-20-7         | <b>17.6</b>       | 0.0996       | mg/kg         | 03.28.2020 22:36     |             | 50  |
| <b>Total BTEX</b>    |                   | <b>30.1</b>       | 0.0996       | mg/kg         | 03.28.2020 22:36     |             | 50  |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 194               | %            | 70-130        | 03.28.2020 22:36     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 102               | %            | 70-130        | 03.28.2020 22:36     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 East @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-017

Date Collected: 03.19.2020 10:50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.2020 15:30

Basis: Wet Weight

Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <5.05  | 5.05 | mg/kg | 03.26.2020 00:28 | U    | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 03.26.2020 16:00

Basis: Wet Weight

Seq Number: 3121187

| Parameter                                 | Cas Number | Result      | RL  | Units | Analysis Date    | Flag | Dil |
|-------------------------------------------|------------|-------------|-----|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)         | PHC610     | <250        | 250 | mg/kg | 03.27.2020 08:21 | U    | 5   |
| <b>Diesel Range Organics (DRO)</b>        | C10C28DRO  | <b>6310</b> | 250 | mg/kg | 03.27.2020 08:21 |      | 5   |
| <b>Motor Oil Range Hydrocarbons (MRO)</b> | PHCG2835   | <b>1340</b> | 250 | mg/kg | 03.27.2020 08:21 |      | 5   |
| <b>Total TPH</b>                          | PHC635     | <b>7650</b> | 250 | mg/kg | 03.27.2020 08:21 |      | 5   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 119        | %     | 70-135 | 03.27.2020 08:21 |      |
| o-Terphenyl    | 84-15-1    | 127        | %     | 70-135 | 03.27.2020 08:21 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 East @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-017

Date Collected: 03.19.2020 10:50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| <b>Benzene</b>       | 71-43-2           | <b>0.00382</b>    | 0.00201      | mg/kg         | 03.28.2020 14:57     | X           | 1   |
| <b>Toluene</b>       | 108-88-3          | <b>0.0551</b>     | 0.00201      | mg/kg         | 03.28.2020 14:57     | XF          | 1   |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>0.0466</b>     | 0.00201      | mg/kg         | 03.28.2020 14:57     | XF          | 1   |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>0.0433</b>     | 0.00402      | mg/kg         | 03.28.2020 14:57     | XF          | 1   |
| <b>o-Xylene</b>      | 95-47-6           | <b>0.0215</b>     | 0.00201      | mg/kg         | 03.28.2020 14:57     | XF          | 1   |
| <b>Total Xylenes</b> | 1330-20-7         | <b>0.0648</b>     | 0.00201      | mg/kg         | 03.28.2020 14:57     |             | 1   |
| <b>Total BTEX</b>    |                   | <b>0.170</b>      | 0.00201      | mg/kg         | 03.28.2020 14:57     |             | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 75                | %            | 70-130        | 03.28.2020 14:57     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 123               | %            | 70-130        | 03.28.2020 14:57     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 East @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-018 Date Collected: 03.19.2020 11:00 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <4.99  | 4.99 | mg/kg | 03.26.2020 00:44 | U    | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight  
 Seq Number: 3121187

| Parameter                          | Cas Number | Result      | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|-------------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9       | 49.9 | mg/kg | 03.27.2020 08:42 | U    | 1   |
| <b>Diesel Range Organics (DRO)</b> | C10C28DRO  | <b>70.1</b> | 49.9 | mg/kg | 03.27.2020 08:42 |      | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9       | 49.9 | mg/kg | 03.27.2020 08:42 | U    | 1   |
| <b>Total TPH</b>                   | PHC635     | <b>70.1</b> | 49.9 | mg/kg | 03.27.2020 08:42 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 104        | %     | 70-135 | 03.27.2020 08:42 |      |
| o-Terphenyl    | 84-15-1    | 113        | %     | 70-135 | 03.27.2020 08:42 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 East @ 2 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-018

Date Collected: 03.19.2020 11:00

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

| Parameter            | Cas Number  | Result         | RL      | Units | Analysis Date    | Flag | Dil |
|----------------------|-------------|----------------|---------|-------|------------------|------|-----|
| Benzene              | 71-43-2     | <0.00198       | 0.00198 | mg/kg | 03.28.2020 15:17 | U    | 1   |
| Toluene              | 108-88-3    | <0.00198       | 0.00198 | mg/kg | 03.28.2020 15:17 | U    | 1   |
| Ethylbenzene         | 100-41-4    | <0.00198       | 0.00198 | mg/kg | 03.28.2020 15:17 | U    | 1   |
| m,p-Xylenes          | 179601-23-1 | <0.00397       | 0.00397 | mg/kg | 03.28.2020 15:17 | U    | 1   |
| <b>o-Xylene</b>      | 95-47-6     | <b>0.00727</b> | 0.00198 | mg/kg | 03.28.2020 15:17 |      | 1   |
| <b>Total Xylenes</b> | 1330-20-7   | <b>0.00727</b> | 0.00198 | mg/kg | 03.28.2020 15:17 |      | 1   |
| <b>Total BTEX</b>    |             | <b>0.00727</b> | 0.00198 | mg/kg | 03.28.2020 15:17 |      | 1   |

| Surrogate            | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------------|------------|------------|-------|--------|------------------|------|
| 4-Bromofluorobenzene | 460-00-4   | 81         | %     | 70-130 | 03.28.2020 15:17 |      |
| 1,4-Difluorobenzene  | 540-36-3   | 122        | %     | 70-130 | 03.28.2020 15:17 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 West @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-019

Date Collected: 03.19.2020 11:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.2020 15:30

Basis: Wet Weight

Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 7.40   | 5.03 | mg/kg | 03.26.2020 00:49 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 03.28.2020 11:00

Basis: Wet Weight

Seq Number: 3121308

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 03.29.2020 04:56 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 03.29.2020 04:56 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 03.29.2020 04:56 | U    | 1   |
| Total TPH                          | PHC635     | <50.0  | 50.0 | mg/kg | 03.29.2020 04:56 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 98         | %     | 70-135 | 03.29.2020 04:56 |      |
| o-Terphenyl    | 84-15-1    | 108        | %     | 70-135 | 03.29.2020 04:56 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 West @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-019

Date Collected: 03.19.2020 11:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 15:37     | U           | 1   |
| Toluene              | 108-88-3          | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 15:37     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 15:37     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00398          | 0.00398      | mg/kg         | 03.28.2020 15:37     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 15:37     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 15:37     | U           | 1   |
| Total BTEX           |                   | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 15:37     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 96                | %            | 70-130        | 03.28.2020 15:37     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 54                | %            | 70-130        | 03.28.2020 15:37     | **          |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-020 Date Collected: 03.19.2020 11:15 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 52.3   | 4.97 | mg/kg | 03.26.2020 00:54 |      | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.28.2020 11:00 Basis: Wet Weight  
 Seq Number: 3121308

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 03.29.2020 05:17 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 03.29.2020 05:17 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 03.29.2020 05:17 | U    | 1   |
| Total TPH                          | PHC635     | <50.0  | 50.0 | mg/kg | 03.29.2020 05:17 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 115        | %     | 70-135 | 03.29.2020 05:17 |      |
| o-Terphenyl    | 84-15-1    | 123        | %     | 70-135 | 03.29.2020 05:17 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 West @ 2 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-020

Date Collected: 03.19.2020 11:15

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00201          | 0.00201      | mg/kg         | 03.28.2020 15:57     | U           | 1   |
| <b>Toluene</b>       | 108-88-3          | <b>0.00510</b>    | 0.00201      | mg/kg         | 03.28.2020 15:57     |             | 1   |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>0.00224</b>    | 0.00201      | mg/kg         | 03.28.2020 15:57     |             | 1   |
| <b>m,p-Xylenes</b>   | 179601-23-1       | <b>0.0223</b>     | 0.00402      | mg/kg         | 03.28.2020 15:57     |             | 1   |
| <b>o-Xylene</b>      | 95-47-6           | <b>0.0161</b>     | 0.00201      | mg/kg         | 03.28.2020 15:57     |             | 1   |
| <b>Total Xylenes</b> | 1330-20-7         | <b>0.0384</b>     | 0.00201      | mg/kg         | 03.28.2020 15:57     |             | 1   |
| <b>Total BTEX</b>    |                   | <b>0.0457</b>     | 0.00201      | mg/kg         | 03.28.2020 15:57     |             | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 51                | %            | 70-130        | 03.28.2020 15:57     | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 100               | %            | 70-130        | 03.28.2020 15:57     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 South @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-021

Date Collected: 03.19.2020 11:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.2020 15:30

Basis: Wet Weight

Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <4.96  | 4.96 | mg/kg | 03.26.2020 00:59 | U    | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 03.28.2020 11:00

Basis: Wet Weight

Seq Number: 3121308

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.9  | 49.9 | mg/kg | 03.29.2020 05:38 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 03.29.2020 05:38 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 03.29.2020 05:38 | U    | 1   |
| Total TPH                          | PHC635     | <49.9  | 49.9 | mg/kg | 03.29.2020 05:38 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 98         | %     | 70-135 | 03.29.2020 05:38 |      |
| o-Terphenyl    | 84-15-1    | 110        | %     | 70-135 | 03.29.2020 05:38 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 South @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-021

Date Collected: 03.19.2020 11:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 16:18     | U           | 1   |
| Toluene              | 108-88-3          | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 16:18     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 16:18     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00398          | 0.00398      | mg/kg         | 03.28.2020 16:18     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 16:18     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 16:18     | U           | 1   |
| Total BTEX           |                   | <0.00199          | 0.00199      | mg/kg         | 03.28.2020 16:18     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 119               | %            | 70-130        | 03.28.2020 16:18     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 75                | %            | 70-130        | 03.28.2020 16:18     |             |     |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 South @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-022 Date Collected: 03.19.2020 11:40 Sample Depth: 2 ft  
 Analytical Method: Chloride by EPA 300 Prep Method: E300P  
 Tech: CHE % Moisture:  
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight  
 Seq Number: 3120940

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | <5.01  | 5.01 | mg/kg | 03.26.2020 01:05 | U    | 1   |

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P  
 Tech: DVM % Moisture:  
 Analyst: ARM Date Prep: 03.28.2020 11:00 Basis: Wet Weight  
 Seq Number: 3121308

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 03.29.2020 05:59 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 03.29.2020 05:59 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 03.29.2020 05:59 | U    | 1   |
| Total TPH                          | PHC635     | <50.0  | 50.0 | mg/kg | 03.29.2020 05:59 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 106        | %     | 70-135 | 03.29.2020 05:59 |      |
| o-Terphenyl    | 84-15-1    | 116        | %     | 70-135 | 03.29.2020 05:59 |      |



# Certificate of Analytical Results 656759

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 South @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00  
 Lab Sample Id: 656759-022 Date Collected: 03.19.2020 11:40 Sample Depth: 2 ft  
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B  
 Tech: KTL % Moisture:  
 Analyst: KTL Date Prep: 03.27.2020 13:30 Basis: Wet Weight  
 Seq Number: 3121384

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00198          | 0.00198      | mg/kg         | 03.28.2020 17:36     | U           | 1   |
| Toluene              | 108-88-3          | <0.00198          | 0.00198      | mg/kg         | 03.28.2020 17:36     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00198          | 0.00198      | mg/kg         | 03.28.2020 17:36     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00397          | 0.00397      | mg/kg         | 03.28.2020 17:36     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00198          | 0.00198      | mg/kg         | 03.28.2020 17:36     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00198          | 0.00198      | mg/kg         | 03.28.2020 17:36     | U           | 1   |
| Total BTEX           |                   | <0.00198          | 0.00198      | mg/kg         | 03.28.2020 17:36     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 72                | %            | 70-130        | 03.28.2020 17:36     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 109               | %            | 70-130        | 03.28.2020 17:36     |             |     |



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

\*\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.      **ND** Not Detected.

**RL** Reporting Limit

**MDL** Method Detection Limit      **SDL** Sample Detection Limit      **LOD** Limit of Detection

**PQL** Practical Quantitation Limit      **MQL** Method Quantitation Limit      **LOQ** Limit of Quantitation

**DL** Method Detection Limit

**NC** Non-Calculable

**SMP** Client Sample      **BLK** Method Blank

**BKS/LCS** Blank Spike/Laboratory Control Sample      **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

**MD/SD** Method Duplicate/Sample Duplicate      **MS** Matrix Spike      **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

\* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



**Trinity Oilfield Services & Rentals, LLC**  
South Loco Hills

**Analytical Method: Chloride by EPA 300**

Seq Number: 3120976

MB Sample Id: 7699726-1-BLK

Matrix: Solid

LCS Sample Id: 7699726-1-BKS

Prep Method: E300P

Date Prep: 03.25.2020

LCSD Sample Id: 7699726-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride  | <5.00     | 250          | 265        | 106      | 264         | 106       | 90-110 | 0    | 20        | mg/kg | 03.25.2020 19:48 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3120940

MB Sample Id: 7699728-1-BLK

Matrix: Solid

LCS Sample Id: 7699728-1-BKS

Prep Method: E300P

Date Prep: 03.25.2020

LCSD Sample Id: 7699728-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride  | <5.00     | 250          | 276        | 110      | 266         | 106       | 90-110 | 4    | 20        | mg/kg | 03.25.2020 22:42 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3120976

Parent Sample Id: 656730-006

Matrix: Soil

MS Sample Id: 656730-006 S

Prep Method: E300P

Date Prep: 03.25.2020

MSD Sample Id: 656730-006 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | 7.25          | 251          | 262       | 101     | 260        | 101      | 90-110 | 1    | 20        | mg/kg | 03.25.2020 20:04 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3120976

Parent Sample Id: 656730-016

Matrix: Soil

MS Sample Id: 656730-016 S

Prep Method: E300P

Date Prep: 03.25.2020

MSD Sample Id: 656730-016 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | <5.00         | 250          | 253       | 101     | 256        | 102      | 90-110 | 1    | 20        | mg/kg | 03.26.2020 09:08 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3120940

Parent Sample Id: 656759-005

Matrix: Soil

MS Sample Id: 656759-005 S

Prep Method: E300P

Date Prep: 03.25.2020

MSD Sample Id: 656759-005 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | <4.99         | 250          | 253       | 101     | 255        | 102      | 90-110 | 1    | 20        | mg/kg | 03.25.2020 22:58 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3120940

Parent Sample Id: 656759-015

Matrix: Soil

MS Sample Id: 656759-015 S

Prep Method: E300P

Date Prep: 03.25.2020

MSD Sample Id: 656759-015 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | 9.57          | 249          | 274       | 106     | 273        | 106      | 90-110 | 0    | 20        | mg/kg | 03.26.2020 00:12 |      |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



**Trinity Oilfield Services & Rentals, LLC**  
South Loco Hills

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3121187

MB Sample Id: 7699860-1-BLK

Matrix: Solid

LCS Sample Id: 7699860-1-BKS

Prep Method: SW8015P

Date Prep: 03.26.2020

LCSD Sample Id: 7699860-1-BSD

| Parameter                         | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD  | RPD Limit        | Units | Analysis Date    | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|-------|------------------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0     | 1000         | 1140       | 114      | 1020        | 102       | 70-135 | 11    | 20               | mg/kg | 03.27.2020 02:34 |      |
| Diesel Range Organics (DRO)       | <50.0     | 1000         | 1180       | 118      | 1170        | 117       | 70-135 | 1     | 20               | mg/kg | 03.27.2020 02:34 |      |
| Surrogate                         | MB %Rec   | MB Flag      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag | Limits | Units | Analysis Date    |       |                  |      |
| 1-Chlorooctane                    | 114       |              | 112        |          | 120         |           | 70-135 | %     | 03.27.2020 02:34 |       |                  |      |
| o-Terphenyl                       | 117       |              | 111        |          | 127         |           | 70-135 | %     | 03.27.2020 02:34 |       |                  |      |

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3121308

MB Sample Id: 7699993-1-BLK

Matrix: Solid

LCS Sample Id: 7699993-1-BKS

Prep Method: SW8015P

Date Prep: 03.28.2020

LCSD Sample Id: 7699993-1-BSD

| Parameter                         | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD  | RPD Limit        | Units | Analysis Date    | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|-------|------------------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0     | 1000         | 1100       | 110      | 1090        | 109       | 70-135 | 1     | 20               | mg/kg | 03.28.2020 22:20 |      |
| Diesel Range Organics (DRO)       | <50.0     | 1000         | 1190       | 119      | 1180        | 118       | 70-135 | 1     | 20               | mg/kg | 03.28.2020 22:20 |      |
| Surrogate                         | MB %Rec   | MB Flag      | LCS %Rec   | LCS Flag | LCSD %Rec   | LCSD Flag | Limits | Units | Analysis Date    |       |                  |      |
| 1-Chlorooctane                    | 101       |              | 115        |          | 110         |           | 70-135 | %     | 03.28.2020 22:20 |       |                  |      |
| o-Terphenyl                       | 116       |              | 114        |          | 121         |           | 70-135 | %     | 03.28.2020 22:20 |       |                  |      |

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3121187

Matrix: Solid

MB Sample Id: 7699860-1-BLK

Prep Method: SW8015P

Date Prep: 03.26.2020

| Parameter                          | MB Result | Units | Analysis Date    | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0     | mg/kg | 03.27.2020 02:12 |      |

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3121308

Matrix: Solid

MB Sample Id: 7699993-1-BLK

Prep Method: SW8015P

Date Prep: 03.28.2020

| Parameter                          | MB Result | Units | Analysis Date    | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0     | mg/kg | 03.28.2020 21:59 |      |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## Trinity Oilfield Services & Rentals, LLC

### South Loco Hills

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3121187

Parent Sample Id: 656970-001

Matrix: Soil

MS Sample Id: 656970-001 S

Prep Method: SW8015P

Date Prep: 03.26.2020

MSD Sample Id: 656970-001 SD

| Parameter                         | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <49.9         | 997          | 1100      | 110     | 1090       | 109      | 70-135 | 1    | 20        | mg/kg | 03.27.2020 03:38 |      |
| Diesel Range Organics (DRO)       | <49.9         | 997          | 1200      | 120     | 1200       | 120      | 70-135 | 0    | 20        | mg/kg | 03.27.2020 03:38 |      |

**Surrogate**

|                | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date    |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 111     |         | 110      |          | 70-135 | %     | 03.27.2020 03:38 |
| o-Terphenyl    | 106     |         | 94       |          | 70-135 | %     | 03.27.2020 03:38 |

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3121308

Parent Sample Id: 656937-101

Matrix: Soil

MS Sample Id: 656937-101 S

Prep Method: SW8015P

Date Prep: 03.28.2020

MSD Sample Id: 656937-101 SD

| Parameter                         | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <49.9         | 997          | 1050      | 105     | 1060       | 106      | 70-135 | 1    | 20        | mg/kg | 03.28.2020 23:23 |      |
| Diesel Range Organics (DRO)       | <49.9         | 997          | 1180      | 118     | 1240       | 124      | 70-135 | 5    | 20        | mg/kg | 03.28.2020 23:23 |      |

**Surrogate**

|                | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date    |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 98      |         | 99       |          | 70-135 | %     | 03.28.2020 23:23 |
| o-Terphenyl    | 109     |         | 98       |          | 70-135 | %     | 03.28.2020 23:23 |

**Analytical Method: BTEX by EPA 8021B**

Seq Number: 3121384

MB Sample Id: 7700101-1-BLK

Matrix: Solid

LCS Sample Id: 7700101-1-BKS

Prep Method: SW5030B

Date Prep: 03.27.2020

LCSD Sample Id: 7700101-1-BSD

| Parameter    | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene      | <0.000385 | 0.100        | 0.102      | 102      | 0.0972      | 97        | 70-130 | 5    | 35        | mg/kg | 03.28.2020 12:38 |      |
| Toluene      | <0.000456 | 0.100        | 0.105      | 105      | 0.112       | 112       | 70-130 | 6    | 35        | mg/kg | 03.28.2020 12:38 |      |
| Ethylbenzene | <0.000565 | 0.100        | 0.100      | 100      | 0.110       | 110       | 70-130 | 10   | 35        | mg/kg | 03.28.2020 12:38 |      |
| m,p-Xylenes  | <0.00101  | 0.200        | 0.199      | 100      | 0.222       | 111       | 70-130 | 11   | 35        | mg/kg | 03.28.2020 12:38 |      |
| o-Xylene     | <0.000344 | 0.100        | 0.0999     | 100      | 0.111       | 111       | 70-130 | 11   | 35        | mg/kg | 03.28.2020 12:38 |      |

**Surrogate**

|                      | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 113     |         | 112      |          | 117       |           | 70-130 | %     | 03.28.2020 12:38 |
| 4-Bromofluorobenzene | 70      |         | 85       |          | 87        |           | 70-130 | %     | 03.28.2020 12:38 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



**Trinity Oilfield Services & Rentals, LLC**  
South Loco Hills

**Analytical Method: BTEX by EPA 8021B**

Seq Number: 3121379

Matrix: Solid

Prep Method: SW5030B

Date Prep: 03.27.2020

MB Sample Id: 7700088-1-BLK

LCS Sample Id: 7700088-1-BKS

LCSD Sample Id: 7700088-1-BSD

| Parameter    | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene      | <0.000385 | 0.100        | 0.0971     | 97       | 0.0987      | 99        | 70-130 | 2    | 35        | mg/kg | 03.28.2020 05:50 |      |
| Toluene      | <0.000456 | 0.100        | 0.0953     | 95       | 0.0964      | 96        | 70-130 | 1    | 35        | mg/kg | 03.28.2020 05:50 |      |
| Ethylbenzene | <0.000565 | 0.100        | 0.0935     | 94       | 0.0953      | 95        | 70-130 | 2    | 35        | mg/kg | 03.28.2020 05:50 |      |
| m,p-Xylenes  | <0.00101  | 0.200        | 0.183      | 92       | 0.185       | 93        | 70-130 | 1    | 35        | mg/kg | 03.28.2020 05:50 |      |
| o-Xylene     | <0.000344 | 0.100        | 0.0939     | 94       | 0.0945      | 95        | 70-130 | 1    | 35        | mg/kg | 03.28.2020 05:50 |      |

| Surrogate            | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 107     |         | 108      |          | 109       |           | 70-130 | %     | 03.28.2020 05:50 |
| 4-Bromofluorobenzene | 94      |         | 98       |          | 98        |           | 70-130 | %     | 03.28.2020 05:50 |

**Analytical Method: BTEX by EPA 8021B**

Seq Number: 3121378

Matrix: Solid

Prep Method: SW5030B

Date Prep: 03.30.2020

MB Sample Id: 7700085-1-BLK

LCS Sample Id: 7700085-1-BKS

LCSD Sample Id: 7700085-1-BSD

| Parameter    | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene      | <0.000385 | 0.100        | 0.0978     | 98       | 0.0967      | 97        | 70-130 | 1    | 35        | mg/kg | 03.30.2020 09:25 |      |
| Toluene      | <0.000456 | 0.100        | 0.102      | 102      | 0.0953      | 95        | 70-130 | 7    | 35        | mg/kg | 03.30.2020 09:25 |      |
| Ethylbenzene | <0.000565 | 0.100        | 0.104      | 104      | 0.0956      | 96        | 70-130 | 8    | 35        | mg/kg | 03.30.2020 09:25 |      |
| m,p-Xylenes  | <0.00101  | 0.200        | 0.210      | 105      | 0.189       | 95        | 70-130 | 11   | 35        | mg/kg | 03.30.2020 09:25 |      |
| o-Xylene     | <0.000344 | 0.100        | 0.104      | 104      | 0.0946      | 95        | 70-130 | 9    | 35        | mg/kg | 03.30.2020 09:25 |      |

| Surrogate            | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 109     |         | 107      |          | 108       |           | 70-130 | %     | 03.30.2020 09:25 |
| 4-Bromofluorobenzene | 98      |         | 105      |          | 95        |           | 70-130 | %     | 03.30.2020 09:25 |

**Analytical Method: BTEX by EPA 8021B**

Seq Number: 3121384

Matrix: Soil

Prep Method: SW5030B

Date Prep: 03.27.2020

Parent Sample Id: 656759-017

MS Sample Id: 656759-017 S

MSD Sample Id: 656759-017 SD

| Parameter    | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene      | 0.00382       | 0.0992       | 0.0670    | 64      | 0.0684     | 65       | 70-130 | 2    | 35        | mg/kg | 03.28.2020 13:18 | X    |
| Toluene      | 0.0551        | 0.0992       | 0.291     | 238     | 0.115      | 60       | 70-130 | 87   | 35        | mg/kg | 03.28.2020 13:18 | XF   |
| Ethylbenzene | 0.0466        | 0.0992       | 0.248     | 203     | 0.0763     | 30       | 70-130 | 106  | 35        | mg/kg | 03.28.2020 13:18 | XF   |
| m,p-Xylenes  | 0.0433        | 0.198        | 0.262     | 110     | 0.100      | 28       | 70-130 | 90   | 35        | mg/kg | 03.28.2020 13:18 | XF   |
| o-Xylene     | 0.0215        | 0.0992       | 0.125     | 104     | 0.0500     | 29       | 70-130 | 86   | 35        | mg/kg | 03.28.2020 13:18 | XF   |

| Surrogate            | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 117     |         | 124      |          | 70-130 | %     | 03.28.2020 13:18 |
| 4-Bromofluorobenzene | 75      |         | 87       |          | 70-130 | %     | 03.28.2020 13:18 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



**Trinity Oilfield Services & Rentals, LLC**  
South Loco Hills

**Analytical Method: BTEX by EPA 8021B**

Seq Number: 3121379

Parent Sample Id: 656755-030

Matrix: Soil

MS Sample Id: 656755-030 S

Prep Method: SW5030B

Date Prep: 03.27.2020

MSD Sample Id: 656755-030 SD

| Parameter    | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene      | <0.00229      | 0.114        | 0.108     | 95      | 0.116      | 102      | 70-130 | 7    | 35        | mg/kg | 03.28.2020 06:31 |      |
| Toluene      | 0.00119       | 0.114        | 0.102     | 88      | 0.110      | 95       | 70-130 | 8    | 35        | mg/kg | 03.28.2020 06:31 |      |
| Ethylbenzene | <0.00229      | 0.114        | 0.0967    | 85      | 0.103      | 90       | 70-130 | 6    | 35        | mg/kg | 03.28.2020 06:31 |      |
| m,p-Xylenes  | <0.00458      | 0.229        | 0.190     | 83      | 0.203      | 89       | 70-130 | 7    | 35        | mg/kg | 03.28.2020 06:31 |      |
| o-Xylene     | <0.00229      | 0.114        | 0.0980    | 86      | 0.104      | 91       | 70-130 | 6    | 35        | mg/kg | 03.28.2020 06:31 |      |

**Surrogate**

|                      | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 110     |         | 113      |          | 70-130 | %     | 03.28.2020 06:31 |
| 4-Bromofluorobenzene | 100     |         | 105      |          | 70-130 | %     | 03.28.2020 06:31 |

**Analytical Method: BTEX by EPA 8021B**

Seq Number: 3121378

Parent Sample Id: 657218-001

Matrix: Soil

MS Sample Id: 657218-001 S

Prep Method: SW5030B

Date Prep: 03.30.2020

MSD Sample Id: 657218-001 SD

| Parameter    | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene      | <0.000383     | 0.0996       | 0.0917    | 92      | 0.0909     | 91       | 70-130 | 1    | 35        | mg/kg | 03.30.2020 10:06 |      |
| Toluene      | <0.000454     | 0.0996       | 0.0907    | 91      | 0.0953     | 95       | 70-130 | 5    | 35        | mg/kg | 03.30.2020 10:06 |      |
| Ethylbenzene | <0.000563     | 0.0996       | 0.0841    | 84      | 0.0934     | 94       | 70-130 | 10   | 35        | mg/kg | 03.30.2020 10:06 |      |
| m,p-Xylenes  | 0.00576       | 0.199        | 0.167     | 81      | 0.188      | 91       | 70-130 | 12   | 35        | mg/kg | 03.30.2020 10:06 |      |
| o-Xylene     | 0.000621      | 0.0996       | 0.0795    | 79      | 0.0871     | 87       | 70-130 | 9    | 35        | mg/kg | 03.30.2020 10:06 |      |

**Surrogate**

|                      | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 108     |         | 105      |          | 70-130 | %     | 03.30.2020 10:06 |
| 4-Bromofluorobenzene | 103     |         | 103      |          | 70-130 | %     | 03.30.2020 10:06 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## Chain of Custody

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Atlanta, GA (770) 449-8800

Work Order No: 054 159

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|                  |                                           |                         |                                                         |
|------------------|-------------------------------------------|-------------------------|---------------------------------------------------------|
| Project Manager: | Ben Arguijo                               | Bill to: (if different) | Wade Dittrich                                           |
| Company Name:    | Trinity Oilfield Services and Rentals LLC | Company Name:           | Oxy USA Inc                                             |
| Address:         |                                           | Address:                |                                                         |
| City, State ZIP: |                                           | City, State ZIP:        |                                                         |
| Phone:           |                                           | Email:                  | Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com |

| Work Order Comments |                                  |                                   |                                      |                                                                           |
|---------------------|----------------------------------|-----------------------------------|--------------------------------------|---------------------------------------------------------------------------|
| Program:            | UST/PST <input type="checkbox"/> | PRP <input type="checkbox"/>      | Brownfields <input type="checkbox"/> | RRC <input type="checkbox"/> Superfund <input type="checkbox"/>           |
| State of Project:   |                                  |                                   |                                      |                                                                           |
| Reporting:          | Level I <input type="checkbox"/> | Level II <input type="checkbox"/> | PST/UST <input type="checkbox"/>     | TRR <input type="checkbox"/> Level IV <input checked="" type="checkbox"/> |
| Deliverables:       | EDD <input type="checkbox"/>     | ADaPT <input type="checkbox"/>    | Other: <input type="checkbox"/>      |                                                                           |

[illegible]

|                                                     |                     |                      |       |       |                          |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |                                     |    |
|-----------------------------------------------------|---------------------|----------------------|-------|-------|--------------------------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|---|----|-------------------------------------|----|
| <b>Total</b>                                        | <b>200.7 / 6010</b> | <b>200.8 / 6020:</b> | 8RCRA | 13PPM | Texas 11                 | Al    | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Tl | Sn | U | V | Zn |                                     |    |
| <i>Circle Method(s) and Metal(s) to be analyzed</i> |                     |                      |       |       | <b>TCLP / SPLP 6010:</b> | 8RCRA |    | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Tl | U |    |    |                  |    |    |    |    |   |   |    | <b>1631 / 245.1 / 7470 / 7471 :</b> | Hg |

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| Relinquished by: (Signature) |                    | Received by: (Signature) |                    | Date/Time |                    |
|------------------------------|--------------------|--------------------------|--------------------|-----------|--------------------|
| 1                            | <i>[Signature]</i> | <i>[Signature]</i>       | <i>[Signature]</i> | 2         | <i>[Signature]</i> |
| 3                            |                    |                          |                    | 4         | <i>[Signature]</i> |
| 5                            |                    |                          |                    | 6         |                    |



## Chain of Custody

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900  
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Work Order No: 1054759

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|                  |                                           |        |                                                         |               |
|------------------|-------------------------------------------|--------|---------------------------------------------------------|---------------|
| Project Manager: | Ben Arguijo                               |        | Bill to: (if different)                                 | Wade Dittrich |
| Company Name:    | Trinity Oilfield Services and Rentals LLC |        | Company Name:                                           | Oxy USA Inc   |
| Address:         |                                           |        | Address:                                                |               |
| City, State ZIP: |                                           |        | City, State ZIP:                                        |               |
| Phone:           |                                           | Email: | Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com |               |

| Work Order Comments |                                  |                                   |                                      |                                                                           |
|---------------------|----------------------------------|-----------------------------------|--------------------------------------|---------------------------------------------------------------------------|
| Program:            | UST/PST <input type="checkbox"/> | PRP <input type="checkbox"/>      | Brownfields <input type="checkbox"/> | RRR <input type="checkbox"/> Superfund <input type="checkbox"/>           |
| State of Project:   |                                  |                                   |                                      |                                                                           |
| Reporting:          | Level I <input type="checkbox"/> | Level II <input type="checkbox"/> | PST/UST <input type="checkbox"/>     | TRR <input type="checkbox"/> Level IV <input checked="" type="checkbox"/> |
| Deliverables:       | EDD <input type="checkbox"/>     | ADaPT <input type="checkbox"/>    | Other: <input type="checkbox"/>      |                                                                           |

[illegible]

|                                                     |                      |                          |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |      |    |    |    |    |   |   |                                        |
|-----------------------------------------------------|----------------------|--------------------------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------|----|----|----|----|---|---|----------------------------------------|
| <b>Total 200.7 / 6010</b>                           | <b>200.8 / 6020:</b> | 8RCRA 13PPM Texas 11     | Al    | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO2 | Na | Sr | Tl | Sn | U | V | Zn                                     |
| <i>Circle Method(s) and Metal(s) to be analyzed</i> |                      | <b>TCLP / SPLP 6010:</b> | 8RCRA | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Tl | U  |   |    |    |      |    |    |    |    |   |   | <b>1631 / 245.1 / 7470 / 7471 : Hg</b> |

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| Relinquished by: (Signature) |                                                                                     | Received by: (Signature)                                                            |                                                                                      | Date/Time                                                                             |                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1                            |  |  |  |  |  |
| 3                            |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| 5                            |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |



## Chain of Custody

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Work Order No: 1054759

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|                  |                                           |        |                                                         |               |
|------------------|-------------------------------------------|--------|---------------------------------------------------------|---------------|
| Project Manager: | Ben Arguijo                               |        | Bill to: (if different)                                 | Wade Dittrich |
| Company Name:    | Trinity Oilfield Services and Rentals LLC |        | Company Name:                                           | Oxy USA Inc   |
| Address:         |                                           |        | Address:                                                |               |
| City, State ZIP: |                                           |        | City, State ZIP:                                        |               |
| Phone:           |                                           | Email: | Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com |               |

| Work Order Comments |                                  |                                   |                                      |                                                                           |
|---------------------|----------------------------------|-----------------------------------|--------------------------------------|---------------------------------------------------------------------------|
| Program:            | UST/PST <input type="checkbox"/> | PRP <input type="checkbox"/>      | Brownfields <input type="checkbox"/> | RRC <input type="checkbox"/> Superfund <input type="checkbox"/>           |
| State of Project:   |                                  |                                   |                                      |                                                                           |
| Reporting:          | Level I <input type="checkbox"/> | Level II <input type="checkbox"/> | PST/UST <input type="checkbox"/>     | TRR <input type="checkbox"/> Level IV <input checked="" type="checkbox"/> |
| Deliverables:       | EDD <input type="checkbox"/>     | ADaPT <input type="checkbox"/>    | Other: _____                         |                                                                           |

[illegible]

|                                                     |                     |                      |                          |       |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                                     |           |    |    |    |   |   |    |  |  |  |
|-----------------------------------------------------|---------------------|----------------------|--------------------------|-------|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|-------------------------------------|-----------|----|----|----|---|---|----|--|--|--|
| <b>Total</b>                                        | <b>200.7 / 6010</b> | <b>200.8 / 6020:</b> | 8RCRA                    | 13PPM | Texas 11 | Al | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO2                                | Na        | Sr | Ti | Sn | U | V | Zn |  |  |  |
| <i>Circle Method(s) and Metal(s) to be analyzed</i> |                     |                      | <b>TCLP / SPLP 6010:</b> | 8RCRA |          |    | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |   |    |    |                                     |           |    |    |    |   |   |    |  |  |  |
|                                                     |                     |                      |                          |       |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    | <b>1631 / 245.1 / 7470 / 7471 :</b> | <b>Ha</b> |    |    |    |   |   |    |  |  |  |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature)                                                        | Received by: (Signature)                                                            | Date/Time     | Relinquished by: (Signature)                                                         | Received by: (Signature)                                                              | Date/Time     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
|  |  | 3/24/20 09:13 |  |  | 3/24/20 11:00 |
|                                                                                     |                                                                                     |               |                                                                                      |                                                                                       |               |
|                                                                                     |                                                                                     |               |                                                                                      |                                                                                       |               |

## XENCO Laboratories

## Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services &amp; Rentals, LLC

Date/ Time Received: 03.25.2020 11.00.00 AM

Work Order #: 656759

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

| Sample Receipt Checklist                                | Comments |
|---------------------------------------------------------|----------|
| #1 *Temperature of cooler(s)?                           | .4       |
| #2 *Shipping container in good condition?               | Yes      |
| #3 *Samples received on ice?                            | Yes      |
| #4 *Custody Seals intact on shipping container/ cooler? | N/A      |
| #5 Custody Seals intact on sample bottles?              | N/A      |
| #6 *Custody Seals Signed and dated?                     | N/A      |
| #7 *Chain of Custody present?                           | Yes      |
| #8 Any missing/extra samples?                           | No       |
| #9 Chain of Custody signed when relinquished/ received? | Yes      |
| #10 Chain of Custody agrees with sample labels/matrix?  | Yes      |
| #11 Container label(s) legible and intact?              | Yes      |
| #12 Samples in proper container/ bottle?                | Yes      |
| #13 Samples properly preserved?                         | Yes      |
| #14 Sample container(s) intact?                         | Yes      |
| #15 Sufficient sample amount for indicated test(s)?     | Yes      |
| #16 All samples received within hold time?              | Yes      |
| #17 Subcontract of sample(s)?                           | N/A      |
| #18 Water VOC samples have zero headspace?              | N/A      |

\* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 03.25.2020

Checklist reviewed by:



Holly Taylor

Date: 03.30.2020

# **Appendix E**

## **Field Notes**

Oxy

Job Site: SOUTH LOCO HILLS

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

Client: \_\_\_\_\_

Notes/Comments:

- 02 .05 11:40

SP4 South @ 2 FT

Composite  
(Y/N)

Sample Name

Time

Depth

Chloride

TPH

Site Sketch

SP1 Surf

9:00

.05

X

SP1 4 FT

9:30

.2

X

SP2 Surf

9:40

.05

X

SP2 02

9:55

.1

X

SP3 Surf

10:00

.1

X

SP3 2

10:20

.05

X

SP4 Surf

10:25

.05

X

SP4 2

10:45

.1

X

SP1 west Surf

10:30

.2

01

9:35

.25

X

02

9:40

.25

X

outside Burn 01

9:45

.05

SP1 South Surf

9:50

.2

01

9:55

.32

X

02

10:00

.3

X

OB 01

10:05

.05

SP2 West Surf

10:10

.05

01

10:15

.1

X

02

10:20

.1

X

OB 01

10:25

.1

SP3 West Surf

10:30

.1

X

01

10:35

.05

02

10:40

.05

X

OB 01

10:45

.05

SP3 East Surf

10:50

.1

X

01

10:55

.05

02

11:00

.05

X

SP4 West Surf

11:05

.1

X

01

11:10

.05

02

11:15

.05

X

OB 01

11:20

.05

SP4 South Surf

11:30

.15

X

01

11:35

.05

SP1 Surf 149

Q 4FT 599

SP2 Surf 149

Q 2FT 299

SP3 Surf 299

Q 2ft 149

SP4 Surf 149

Q 2 299

SP1 West Surf ~~599~~ 599

SP1 W Q1 749

W Q2 749

Outside Burnol 149

SP1 South S 599

Q1 959

Q2 899

Outside Burnol 149

P2 West S 149

Q1 299

Q2 299

SP3 ~~West S~~ 299 Outside Burn Q1

SP3 West S 299

Q1 149

Q2 149

Outside Burnol 149

SP3 East S 299

Q1 149

Q2 149

SP4 West S 299

Q1 149

Q2 149

Outside Burnol 149

SP4 South S 149

Q1 149

Q2 149

Date: 4/2

Client: Oxy

Notes/Comments:

[illegible]

### Site Sketch

