1 of **District** I 1625 N. French Dr., Hobbs, NM 88240 Page 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    | nRM2012535502 |
|----------------|---------------|
| District RP    |               |
| Facility ID    | 39379         |
| Application ID |               |

# **Release Notification**

#### **Responsible Party**

| Responsible Party: Centennial Resource Development                     | OGRID: 372165                   |  |
|--|---------------------------------|--|
| Contact Name: Jamon Hohensee   | Contact Telephone: 432-241-4283 |  |
| Contact email: jamon.hohensee@cdevinc.com                              | Incident #                      |  |
| Contact mailing address: 500 W Illinois Ave Suite 500, Midla TX, 79705 | and                             |  |

#### Location of Release Source

| Latitude 32.35624        | Longitude -103.40881                          |  |
|--------------------------|---|--|
| (NA                      | 1D 83 in decimal degrees to 5 decimal places) |  |
| Site Name: Winnebago CTB | Site Type: Tank Battery                       |  |
|                          |   |  |

| Date Release Discovered: 4/24/2020 |         |          | API# 30-025-46403 |        |  |
|------------------------------------|---------|----------|-------------------|--------|--|
| Unit Letter                        | Section | Township | Range             | County |  |

| Onn Letter | Section | Township | Tungo | county | _ |
|------------|---------|----------|-------|--------|---|
| N          | 30      | 22S      | 35E   | Lea    |   |
|            |         |          | _     |        | - |

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)

| Crude Oil                                  | Volume Released (bbls)6   | Volume Recovered (bbls)5  |
|--|---|---|
| Produced Water                             | Volume Released (bbls)54  | Volume Recovered (bbls)50   |
|  | Is the concentration of dissolved chloride in the produced water >10,000 mg/l?                                | Yes 🗌 No  |
| Condensate                                 | Volume Released (bbls)  | Volume Recovered (bbls)   |
| Natural Gas                                | Volume Released (Mcf)   | Volume Recovered (Mcf)  |
| Other (describe)                           | Volume/Weight Released (provide units)  | Volume/Weight Recovered (provide units)                                     |
| H2S Scavenger                              |   |   |
| Cause of Release<br>A dump valve on the se | parator had stuck open overloading the Gunbarrel to t<br>The fluid in the containment measured 30'x45' with a |   |
| Cause of Release<br>A dump valve on the se |   |   |
| Cause of Release<br>A dump valve on the se |   |   |
| Cause of Release<br>A dump valve on the se |   |   |
| Cause of Release<br>A dump valve on the se |   | he point where produced water and oil spilled from the an average 3" depth. |

| m C-141  | State of New Mexico  | Incident ID                               | Page |
|--|--|---|------|
| e 2  | Oil Conservation Division  | District RP                               |      |
|  |  | Facility ID                               |      |
|  |  | Application ID                            |      |
| Was this a major<br>release as defined by<br>19.15.29.7(A) NMAC? | If YES, for what reason(s) does the responsible part                                   | y consider this a major release?          |      |
| If YES, was immediate n  | otice given to the OCD? By whom? To whom? Whe  | en and by what means (phone, email, etc)? |      |
|  |  |   |      |
|  | Initial Response<br>party must undertake the following actions immediately unless they |   |      |

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:

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.

Date: 5/1/2020

Date:

Printed Name: Jamon Hohensee Title: Sr. Environmental Analyst

Telephone: 432-241-4283

"ape 2 of (-

Received by OCD: 12/1/2020/12:00:15 AMA of New Mexico Page 3

**Oil Conservation Division** 

| Incident ID    |  |
|----------------|--|
| District RP    |  |
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| Application ID |  |

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

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

| Characterization Report Checklist | Each of the following items must be included in the report. |  |
|-----------------------------------|---|--|
|-----------------------------------|---|--|

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data

Data table of soil contaminant concentration data

- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps

-16-2

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Laboratory data including chain of custody

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 39.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

| Received by OCD: 12/1)<br>Page 4                       | 2020 12:00:15 Me of New Mexico<br>Oil Conservation Division  | Page 4 of         Incident ID         District RP         Facility ID         Application ID   |
|--|--|--|
| public health or the envi<br>failed to adequately inve | ronment. The acceptance of a C-141 report by the OCD<br>estigate and remediate contamination that nose a threat to | of my knowledge and understand that pursuant to OCD rules and<br>tions and perform corrective actions for releases which may endanger<br>does not relieve the operator of liability should their operations have<br>o groundwater, surface water, human health or the environment. In<br>consibility for compliance with any other federal, state, or local laws |
|  |  | tle:   |
|  |  | ate:   |
| OCD Only<br>Received by:                               |  | Date:  |

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Received by OCD: 12/1/2020/12:00:515 AMM Form C-141 State of New Mexico Incident ID Page 5 **Oil Conservation Division District RP** Facility ID Application ID

| <b>Remediation Plan</b>   |
|---|
| 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: \_\_\_\_\_ Title: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: Telephone: email: **OCD Only** Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Approved with Attached Conditions of Approval Denied Deferral Approved Approved Date: Signature:

Page

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Porm C-141

State of New Mexico Oil Conservation Division

| Incident ID    |       |
|----------------|-------|
| District RP    |       |
| Facility ID    | 39379 |
| Application ID |       |

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# Closure

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

| Closure Report Attachment Checklist: Each of the following   | items must be included in the closure report.  |
|--|--|
| $\checkmark$ A scaled site and sampling diagram as described in 19.15.29.  | 11 NMAC  |
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)  | s of the liner integrity if applicable (Note: appropriate OCD District office  |
| Laboratory analyses of final sampling (Note: appropriate OD  | C District office must be notified 2 days prior to final sampling)   |
| Description of remediation activities  |  |
| -  |  |
| I hereby costify that the information in the information   |  |
| and regulations all operators are required to report and/or file certaid<br>may endanger public health or the environment. The acceptance of<br>should their operations have failed to adequately investigate and rep<br>human health or the environment. In addition, OCD acceptance of | ations. The responsible party acknowledges they must substantially<br>anditions that existed prior to the release or their final land use in |
| Printed Name: Jamon Hohenser.  | Title: SE Found and the vegetation are complete.   |
| Signature: Eer l. b  |  |
| Printed Name: <u>Samon Hohensee</u><br>Signature: <u>So II. V</u><br>email: <u>jamon. hohensee@cdevine.com</u>   | Telephone: <u>432-241-4283</u>   |
|  |  |
| OCD Only   |  |
| Received by:   | Date:  |
|  | 4  |
| Closure approval by the OCD does not relieve the responsible party   | of liability should their operations have failed to adequately investigate and   |
| party of compliance with any other federal, state, or local laws and/  | water, human health, or the environment nor does not relieve the responsible<br>or regulations.  |
| Closure Approved by:   |  |
| Closure Approved by:   | Date:  |
| Printed Name:  |  |
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# CLOSURE REQUEST AND REMEDIATION SUMMARY REPORT

Centennial Resource Development, Inc. Winnebago CTB Lea County, New Mexico Unit Letter "N", Section 30, Township 22 South, Range 35 East Latitude 32.35624° North, Longitude 103.40881° West NMOCD Reference # NRH2012535502

Prepared For:

**Centennial Resource Development, Inc.** 500 W. Illinois Avenue Suite 500 Midland, TX 79701

Prepared By:

**Etech Environmental & Safety Solutions, Inc.** P.O. Box 62228 Midland, Texas 79711

October 2020

Wesley A. Desilets Project Manager

Matthew Green, P.G. Senior Project Manager

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#### **APPENDICES**

Appendix A – Photographic Documentation

Appendix B – Analytical Reports

Appendix C – Release Notification and Corrective Action (Form C-141)

#### **INTRODUCTION**

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Centennial Resource Development, Inc. (Centennial), has prepared this Closure Request and Remediation Summary Report for the Release Site known as Winnebago CTB. The legal description of the Release Site is Unit Letter "N", Section 30, Township 22 South, Range 35 East, in Lea County, New Mexico. The subject property is owned by The New Mexico State Land Office (NMSLO). The Release Site GPS coordinates are 32.35624° North and 103.40881° West. Please reference Figure 1 for the Site Location Map and Figure 2 for the Confirmation Soil Sample Location Map.

On April 24, 2020, Centennial discovered that a release had occurred due to the dump valve on the separator being hung open. Approximately six (6) barrels of crude oil and fifty-four (54) barrels of produced water was released with five (5) barrels of crude oil and fifty (50) barrels of produced water recovered, resulting in a net loss of approximately one (1) barrel of crude oil and four (4) barrels of produced water. The majority of the release was contained within the lined containment. On May 1, 2020, Centennial filed a *Release Notification and Corrective Action Form* (Form C-141) with the New Mexico Oil Conservation Division (NMOCD) and NMSLO documenting the release. The Form C-141 is provided as Appendix C. Photographic documentation for the site are provided as Appendix A.

#### NMOCD SITE CLASSIFICATION

A search of the groundwater database maintained by United States Geological Survey (USGS) did not identify any registered water wells within a quarter (1/4) mile of the Winnebago CTB Release Site. A further search of the USGS database identified the closest registered water well is USGS Well #: 322238103225201 located approximately two (2) miles northeast of the Release Site. The average depth to groundwater for USGS Well #: 322238103225201 should be encountered at approximately seventy-eight (78) feet below ground surface (bgs). Based on the NMOCD site classification system, ten (10) points will be assigned to the subject area ranking as a result of this criterion. No water wells were observed within one thousand (1,000) feet of the Release Site. Based on the NMOCD site classification system, zero (0) points will be assigned to the subject area ranking as a result of this criterion. No surface water was observed within one thousand (1,000) feet of the release. Based on the NMOCD site classification system, ten (10) points will be assigned to the Winnebago CTB Release Site as a result of this criterion. Based on this score, the soil remediation levels for a site with a ranking score of ten (10) points are as follows:

- Benzene 10 mg/Kg (ppm)
- BTEX 50 mg/Kg (ppm)
- TPH 100 mg/Kg (ppm)
- Chloride 600 mg/Kg (ppm)

#### SUMMARY OF SOIL REMEDIATION ACTIVITIES

On June 17 and June 18, 2020, prior to excavation activities a pressure washer was utilized to address the hydrocarbon staining within the lined containment. A vacuum truck recovered and disposed of the liquids within the containment.

From July 30 through August 3, 2020, Etech commenced excavation activities at the Release Site utilizing a backhoe and manual means. Excavated soil was stockpiled on site and remediated utilizing blending and aerating techniques with surrounding clean soil. Excavation activities were conducted in a manner that protected the integrity of the production equipment. Etech hand spotted around all surface equipment and excavated by hand all impacted material within two (2) feet of any production equipment. Etech, on behalf of Centennial, collected four (4) composite confirmation soil samples (Bottomhole-1 @ 1', Bottomhole-2 @ 1', Bottomhole-3 @ 6", and Bottomhole-4 (a) 3") from the excavated area and four (4) composite horizontal confirmation soil samples (N Sidewall-1 @ 6", E Sidewall-1 @ 6", S Sidewall-1 @ 6", and W Sidewall-1 @ 6") from the sidewalls of the excavated area. Additionally, one (1) composite confirmation soil sample (Stockpile) was collected from the remediated stockpiled soil. Soil samples were submitted to Permian Basin Environmental Lab, LP. (PBELAB) in Midland, Texas and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) using EPA Method SW 846-8021B, Total Petroleum Hydrocarbons (TPH) using EPA Method SW 846-8015M, and chloride using EPA Method E 300.0. A review of laboratory analytical results indicated additional remediation activities were necessary due to elevated TPH concentrations for the composite soil sample (Stockpile). Please reference Figure 2 for site details and soil sampling locations.

On August 28, 2020, following additional remediation activities, one (1) composite confirmation soil sample (Stockpile) was collected from the further remediated stockpiled soil. The sample was submitted to PBELAB for TPH analysis. Due to elevated TPH concentrations it was determined that the impacted stockpiled soil would require disposal.

Table 1 summarizes the Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil. Analytical reports are provided as Appendix B.

#### SOIL DISPOSAL AND BACKFILL ACTIVIES

On September 15, 2020, Etech transported the impacted stockpiled soil to the Sundance disposal facility in Lea County, NM for disposal.

On September 17, 2020, the excavated area was backfilled with non-impacted like soil from a local source and the site was contoured to fit the surrounding area.

#### SITE CLOSURE REQUEST

Based on the analytical results, Centennial requests NMOCD grant Site Closure Status to the Winnebago CTB incident number NRH2012535502.

#### LIMITATIONS

Etech has prepared this Closure Request and Remediation Summary Report to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Etech has prepared this report, in a professional manner, using the degree of skill and care exercised by similar

environmental consultants. Etech also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. This report has been prepared for the benefit of Centennial Resource Development, Inc. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Centennial Resource Development, Inc.

#### DISTRIBUTION

| Copy 1: | New Mexico Energy, Minerals and Natural Resources Department<br>Oil Conservation Division, District 1<br>1624 N. French Drive<br>Hobbs, New Mexico 88210 |
|---------|--|
| Copy 2: | Jamon Hohensee<br>Centennial Resource Development, Inc.<br>500 W. Illinois Avenue Suite 500<br>Midland, TX 79701   |
| Copy 3: | Etech Environmental & Safety Solutions, Inc.<br>P.O. Box 62228<br>Midland, TX 79711  |





Received by OCD: 12/1/2020/12:20051554M4



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#### TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### CENTENNIAL RESOURCE DEVELOPMENT, INC.

#### WINNEBAGO CTB RELEASE SITE

#### LEA COUNTY, NEW MEXICO

#### All concentrations are reported in mg/Kg

|                    |                |          |         |                   |                   |               | re reported in mg/K | 5             |  |  | _   |  |           |
|--------------------|----------------|----------|---------|-------------------|-------------------|---------------|---------------------|---------------|--|--|---|--|-----------|
|                    |                |          | -       | METHODS:          | SW 846-80211      | B             | -                   |               | M  | ETHOD: SW 801                                      | 5M  | -  | E 300.1   |
| SAMPLE LOCATION    | SAMPLE<br>DATE | BENZENE  | TOLUENE | ETHYL-<br>BENZENE | m, p -<br>XYLENES | o -<br>XYLENE | TOTAL<br>XYLENES    | TOTAL<br>BTEX | ТРН GRO<br>С <sub>6</sub> -С <sub>12</sub> | <b>TPH DRO</b><br>C <sub>12</sub> -C <sub>28</sub> | TPH ORO<br>C <sub>28</sub> -C <sub>35</sub> | TOTAL TPH<br>C <sub>6</sub> -C <sub>35</sub> | CHLORIDE  |
| Limits             |                | 10 mg/Kg |         |                   |                   |               |                     | 50 mg/Kg      |  |  |   | 100 mg/Kg                                    | 600 mg/Kg |
|                    |                |          |         |                   |                   | Bottom Hole S | Sample Results      |               |  |  |   |  |           |
| Bottomhole-1 @ 1'  | 8/3/2020       | ND       | ND      | ND                | ND                | ND            | ND                  | ND            | ND   | ND   | ND  | ND   | 35.5      |
| Bottomhole-2 @ 1'  | 8/3/2020       | ND       | ND      | ND                | ND                | ND            | ND                  | ND            | ND   | ND   | ND  | ND   | 99.1      |
| Bottomhole-3 @ 6"  | 8/3/2020       | ND       | ND      | ND                | ND                | ND            | ND                  | ND            | ND   | ND   | ND  | ND   | 98.8      |
| Bottomhole-4 @ 3"  | 8/3/2020       | ND       | ND      | ND                | ND                | ND            | ND                  | ND            | ND   | 65.3   | ND  | 65.3   | 191       |
|                    |                |          |         |                   | •                 | Sidewall Sa   | mple Results        |               | •  |  |   | •  |           |
| N Sidewall-1 @ 6'' | 8/3/2020       | ND       | ND      | ND                | ND                | ND            | ND                  | ND            | ND   | ND   | ND  | ND   | 87.8      |
| E Sidewall-1 @ 6"  | 8/3/2020       | ND       | ND      | ND                | ND                | ND            | ND                  | ND            | ND   | ND   | ND  | ND   | 66.0      |
| S Sidewall-1 @ 6"  | 8/3/2020       | ND       | ND      | ND                | ND                | ND            | ND                  | ND            | ND   | ND   | ND  | ND   | 44.9      |
| W Sidewall-1 @ 6"  | 8/3/2020       | ND       | ND      | ND                | ND                | ND            | ND                  | ND            | ND   | ND   | ND  | ND   | 39.2      |
|                    |                |          |         |                   |                   | Stockpile Sa  | mple Results        |               |  |  |   |  |           |
| Stockpile          | 8/3/2020       | ND       | ND      | ND                | ND                | ND            | ND                  | ND            | ND   | 211  | ND  | 211  | 463       |
| Stockpile          | 8/28/2020      | -        | -       | -                 | -                 | -             | -                   | -             | ND   | 113  | ND  | 113  | -         |

Bold ande Yellow Highlighted indicates Analyte Above NMOCD Regulatory Limit

ND - Analyte not Detected at or above the laboratory reporting limit

Project Name: Winnebago CTB Project No: 12391

#### Photographic Documentation





Project Name: Winnebago CTB Project No: 12391

#### Photographic Documentation





Project Name: Winnebago CTB Project No: 12391 Photographic Documentation





#### Received by OCD: 12/1/2020/12:005155AMM

eurofins Environment Testing

Xenco

# Project Id: 12391 Contact: Matthew Green

Project Location: New Mexico

# Certificate of Analysis Summary 669122

Etech Environmental & Safety Solution, Inc, Midland, TX

#### Project Name: Winnebago 30 State COM 501H & 502H

Date Received in Lab: Wed 08.05.2020 09:05

**Report Date:** 08.11.2020 15:32

Project Manager: Jessica Kramer

|                                    | Lab Id:    | 669122-0    | 001     | 669122-0     | 02      | 669122-0     | 003     | 669122-0     | 004     | 669122-0     | 05      | 669122-0     | 06      |
|------------------------------------|------------|-------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|
| Analysis Requested                 | Field Id:  | Bottomhole- | 1@1'    | Bottomhole-2 | @ 1'    | Bottomhole-3 | @ 6"    | Bottomhole-4 | @ 3"    | N Sidewall-1 | @ 6"    | E Sidewall-1 | @ 6"    |
| Analysis Requested                 | Depth:     |             |         |              |         |              |         |              |         |              |         |              |         |
|                                    | Matrix:    | SOIL        |         | SOIL         |         | SOIL         |         | SOIL         | ,       | SOIL         |         | SOIL         |         |
|                                    | Sampled:   | 08.03.2020  | 13:00   | 08.03.2020   | 13:05   | 08.03.2020   | 13:10   | 08.03.2020   | 13:15   | 08.03.2020   | 13:20   | 08.03.2020   | 13:25   |
| BTEX by EPA 8021B                  | Extracted: | 08.08.2020  | 14:30   | 08.08.2020   | 14:30   | 08.08.2020   | 14:30   | 08.08.2020   | 14:30   | 08.08.2020   | 14:30   | 08.08.2020   | 14:30   |
|                                    | Analyzed:  | 08.09.2020  | 12:45   | 08.09.2020   | 13:06   | 08.09.2020   | 13:26   | 08.09.2020   | 13:47   | 08.09.2020   | 14:07   | 08.09.2020   | 14:28   |
|                                    | Units/RL:  | mg/kg       | RL      | mg/kg        | RL      | mg/kg        | RL      | mg/kg        | RL      | mg/kg        | RL      | mg/kg        | RL      |
| Benzene                            |            | ND          | 0.00198 | 1.2          | 0.00198 | ND           | 0.00198 | ND           | 0.00199 | ND           | 0.00199 | ND           | 0.00200 |
| Toluene                            |            | ND          | 0.00198 | 1.2          | 0.00198 | ND           | 0.00198 | ND           | 0.00199 | ND           | 0.00199 | ND           | 0.00200 |
| Ethylbenzene                       |            | ND          | 0.00198 | 1.5          | 0.00198 | ND           | 0.00198 | ND           | 0.00199 | ND           | 0.00199 | ND           | 0.00200 |
| m,p-Xylenes                        |            | ND          | 0.00397 | 1.2          | 0.00397 | ND           | 0.00397 | ND           | 0.00398 | ND           | 0.00398 | ND           | 0.00399 |
| o-Xylene                           |            | ND          | 0.00198 | 1.2          | 0.00198 | ND           | 0.00198 | ND           | 0.00199 | ND           | 0.00199 | ND           | 0.00200 |
| Total Xylenes                      |            | ND          | 0.00198 | 112          | 0.00198 | ND           | 0.00198 | ND           | 0.00199 | ND           | 0.00199 | ND           | 0.00200 |
| Total BTEX                         |            | ND          | 0.00198 | ND           | 0.00198 | ND           | 0.00198 | ND           | 0.00199 | ND           | 0.00199 | ND           | 0.00200 |
| Chloride by EPA 300                | Extracted: | 08.05.2020  | 15:30   | 08.05.2020   | 15:30   | 08.05.2020   | 15:30   | 08.05.2020   | 15:30   | 08.05.2020   | 15:30   | 08.05.2020   | 15:30   |
|                                    | Analyzed:  | 08.05.2020  | 17:27   | 08.05.2020   | 17:43   | 08.05.2020   | 17:48   | 08.05.2020   | 17:53   | 08.05.2020   | 17:59   | 08.05.2020   | 18:04   |
|                                    | Units/RL:  | mg/kg       | RL      | mg/kg        | RL      | mg/kg        | RL      | mg/kg        | RL      | mg/kg        | RL      | mg/kg        | RL      |
| Chloride                           |            | 35.5        | 5.02    | 99.1         | 4.95    | 98.8         | 4.95    | 191          | 4.95    | 87.8         | 4.99    | 66.0         | 4.97    |
| TPH by SW8015 Mod                  | Extracted: | 08.05.2020  | 12:00   | 08.05.2020   | 12:00   | 08.05.2020   | 12:00   | 08.05.2020   | 12:00   | 08.05.2020   | 12:00   | 08.05.2020   | 12:00   |
|                                    | Analyzed:  | 08.05.2020  | 15:18   | 08.05.2020   | 15:40   | 08.05.2020   | 16:02   | 08.05.2020   | 16:23   | 08.05.2020   | 17:07   | 08.05.2020   | 17:29   |
|                                    | Units/RL:  | mg/kg       | RL      | mg/kg        | RL      | mg/kg        | RL      | mg/kg        | RL      | mg/kg        | RL      | mg/kg        | RL      |
| Gasoline Range Hydrocarbons (GRO)  |            | ND          | 50.0    | ND           | 50.0    | ND           | 49.9    | ND           | 50.0    | ND           | 50.0    | ND           | 50.0    |
| Diesel Range Organics (DRO)        |            | ND          | 50.0    | ND           | 50.0    | ND           | 49.9    | 65.3         | 50.0    | ND           | 50.0    | ND           | 50.0    |
| Motor Oil Range Hydrocarbons (MRO) |            | ND          | 50.0    | ND           | 50.0    | ND           | 49.9    | ND           | 50.0    | ND           | 50.0    | ND           | 50.0    |
| Total TPH                          |            | ND          | 50.0    | ND           | 50.0    | ND           | 49.9    | 65.3         | 50.0    | ND           | 50.0    | ND           | 50.0    |

BRL - Below Reporting Limit

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

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#### Received by OCD: 12/1/2020/12:005155AMM

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Xenco

# Project Id:12391Contact:Matthew GreenProject Location:New Mexico

Certificate of Analysis Summary 669122

Etech Environmental & Safety Solution, Inc, Midland, TX

#### Project Name: Winnebago 30 State COM 501H & 502H

**Date Received in Lab:** Wed 08.05.2020 09:05

**Report Date:** 08.11.2020 15:32

Project Manager: Jessica Kramer

|                                    | Lab Id:    | 669122-0     | 07      | 669122-0     | 08      | 669122-0   | 09      |  |  |
|------------------------------------|------------|--------------|---------|--------------|---------|------------|---------|--|--|
| Analysis Requested                 | Field Id:  | S Sidewall-1 | @ 6"    | W Sidewall-1 | @ 6"    | Stockpile  | e       |  |  |
| Analysis Kequesiea                 | Depth:     |              |         |              |         |            |         |  |  |
|                                    | Matrix:    | SOIL         |         | SOIL         |         | SOIL       |         |  |  |
|                                    | Sampled:   | 08.03.2020   | 13:30   | 08.03.2020   | 13:35   | 08.03.2020 | 13:40   |  |  |
| BTEX by EPA 8021B                  | Extracted: | 08.08.2020   | 14:30   | 08.08.2020   | 14:30   | 08.10.2020 | 11:00   |  |  |
|                                    | Analyzed:  | 08.09.2020   | 14:48   | 08.09.2020   | 15:08   | 08.10.2020 | 23:11   |  |  |
|                                    | Units/RL:  | mg/kg        | RL      | mg/kg        | RL      | mg/kg      | RL      |  |  |
| Benzene                            |            | ЦĘ           | 0.00200 | 112          | 0.00199 | ND         | 0.00199 |  |  |
| Toluene                            |            | 112          | 0.00200 | 112          | 0.00199 | ND         | 0.00199 |  |  |
| Ethylbenzene                       |            | ЦВ           | 0.00200 | 112          | 0.00199 | ND         | 0.00199 |  |  |
| m,p-Xylenes                        |            | 112          | 0.00399 |              | 0.00398 | ND         | 0.00398 |  |  |
| o-Xylene                           |            | ND           | 0.00200 | ND           | 0.00199 | ND         | 0.00199 |  |  |
| Total Xylenes                      |            | 112          | 0.00200 | 1.12         | 0.00199 | ND         | 0.00199 |  |  |
| Total BTEX                         |            | ND           | 0.00200 | ND           | 0.00199 | ND         | 0.00199 |  |  |
| Chloride by EPA 300                | Extracted: | 08.05.2020   | 15:30   | 08.05.2020   | 15:30   | 08.05.2020 | 15:30   |  |  |
|                                    | Analyzed:  | 08.05.2020   | 18:09   | 08.05.2020   | 18:25   | 08.05.2020 | 18:30   |  |  |
|                                    | Units/RL:  | mg/kg        | RL      | mg/kg        | RL      | mg/kg      | RL      |  |  |
| Chloride                           |            | 44.9 X       | 4.96    | 39.2         | 5.04    | 463        | 4.98    |  |  |
| TPH by SW8015 Mod                  | Extracted: | 08.05.2020   | 12:00   | 08.05.2020   | 12:00   | 08.05.2020 | 12:00   |  |  |
|                                    | Analyzed:  | 08.05.2020   | 17:51   | 08.05.2020   | 18:12   | 08.05.2020 | 18:34   |  |  |
|                                    | Units/RL:  | mg/kg        | RL      | mg/kg        | RL      | mg/kg      | RL      |  |  |
| Gasoline Range Hydrocarbons (GRO)  |            | ND           | 49.9    | ND           | 49.8    | ND         | 50.0    |  |  |
| Diesel Range Organics (DRO)        |            | ND           | 49.9    | ND           | 49.8    | 211        | 50.0    |  |  |
| Motor Oil Range Hydrocarbons (MRO) |            | ND           | 49.9    | ND           | 49.8    | ND         | 50.0    |  |  |
| Total TPH                          |            | ND           | 49.9    | ND           | 49.8    | 211        | 50.0    |  |  |

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Received by OCD: 12/1/2020@22005155AM

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# Analytical Report 669122

# for

# **Etech Environmental & Safety Solution, Inc**

**Project Manager: Matthew Green** 

Winnebago 30 State COM 501H & 502H

## 12391

#### 08.11.2020

Collected By: Client



1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Tampa: Florida (E87429), North Carolina (483) Received by OCD: 12/1/2020(12:005155AM

08.11.2020

Project Manager: **Matthew Green Etech Environmental & Safety Solution, Inc** P.O. Box 62228 Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): 669122 Winnebago 30 State COM 501H & 502H Project Address: New Mexico

#### Matthew Green:

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 Eurofins Xenco, LLC Report Number(s) 669122. 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 Eurofins Xenco, LLC. 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. 669122 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 Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

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Jessica Kramer Project Manager

A Small Business and Minority Company

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# Sample Cross Reference 669122

# Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id         | Matrix | Date Collected   | Sample Depth | Lab Sample Id |
|-------------------|--------|------------------|--------------|---------------|
| Bottomhole-1 @ 1' | S      | 08.03.2020 13:00 |              | 669122-001    |
| Bottomhole-2 @ 1' | S      | 08.03.2020 13:05 |              | 669122-002    |
| Bottomhole-3 @ 6" | S      | 08.03.2020 13:10 |              | 669122-003    |
| Bottomhole-4 @ 3" | S      | 08.03.2020 13:15 |              | 669122-004    |
| N Sidewall-1 @ 6" | S      | 08.03.2020 13:20 |              | 669122-005    |
| E Sidewall-1 @ 6" | S      | 08.03.2020 13:25 |              | 669122-006    |
| S Sidewall-1 @ 6" | S      | 08.03.2020 13:30 |              | 669122-007    |
| W Sidewall-1 @ 6" | S      | 08.03.2020 13:35 |              | 669122-008    |
| Stockpile         | S      | 08.03.2020 13:40 |              | 669122-009    |

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## **CASE NARRATIVE**

Client Name: Etech Environmental & Safety Solution, Inc Project Name: Winnebago 30 State COM 501H & 502H

Project ID: 12391 Work Order Number(s): 669122 Report Date: 08.11.2020 Date Received: 08.05.2020

#### Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

#### Analytical non conformances and comments:

Batch: LBA-3133696 Chloride by EPA 300

Lab Sample ID 669122-007 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 669122-001, -002, -003, -004, -005, -006, -007, -008, -009.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

## Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:Bottomhole-1 @ 1'Lab Sample Id:669122-001  |   | Matrix:<br>Date Colle          | Soil<br>cted: 08.03.2                     | 2020 13:00          |   | Date Received:08.0   | 5.2020 09:                              | :05         |
|--|---|--------------------------------|---|---------------------|---|--|---|-------------|
| Analytical Method: Chloride by EPA<br>Tech: CHE  | A 300   |                                |   |                     |   | Prep Method: E300<br>% Moisture:   | )P                                      |             |
| Analyst: CHE<br>Seq Number: 3133696  |   | Date Prep:                     | 08.05.2                                   | 2020 15:30          |   | Basis: Wet   | Weight                                  |             |
| Parameter  | Cas Number  | Result                         | RL  |                     | Units                                     | Analysis Date  | Flag                                    | Dil         |
| Chloride   | 16887-00-6  | 35.5                           | 5.02                                      |                     | mg/kg                                     | 08.05.2020 17:27   |   | 1           |
|  |   |                                |   |                     |   |  |   |             |
| Analytical Method: TPH by SW801<br>Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741  | 5 Mod   | Date Prep:                     | 08.05.2                                   | 2020 12:00          |   | Prep Method: SW8<br>% Moisture:<br>Basis: Wet  | 8015P<br>Weight                         |             |
| Tech: DVM<br>Analyst: ARM  | 5 Mod<br>Cas Number                                     | Date Prep:<br>Result           | 08.05.2<br>RL                             | 2020 12:00          |   | % Moisture:  |   | Dil         |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741   |   | -                              |   | 2020 12:00          |   | % Moisture:<br>Basis: Wet  | Weight                                  | <b>Dil</b>  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  | Cas Number  | Result                         | RL  | 2020 12:00          | Units                                     | % Moisture:<br>Basis: Wet<br>Analysis Date   | Weight<br>Flag                          |             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)   | Cas Number<br>PHC610                                    | Result                         | <b>RL</b> 50.0                            | 2020 12:00          | Units<br>mg/kg                            | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 15:18   | Weight<br>Flag<br>U                     | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)  | Cas Number<br>PHC610<br>C10C28DRO                       | Result<br>ND<br>ND             | <b>RL</b><br>50.0<br>50.0                 | 2020 12:00          | Units<br>mg/kg<br>mg/kg                   | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 15:18<br>08.05.2020 15:18   | Weight<br>Flag<br>U<br>U                | 1<br>1      |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)              | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>50.0<br>50.0<br>50.0         | 2020 12:00<br>Units | Units<br>mg/kg<br>mg/kg<br>mg/kg          | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 15:18<br>08.05.2020 15:18<br>08.05.2020 15:18<br>08.05.2020 15:18 | Weight<br>Flag<br>U<br>U<br>U           | 1<br>1<br>1 |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)<br>Total TPH | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>50.0<br>50.0<br>50.0<br>50.0 |                     | Units<br>mg/kg<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 15:18<br>08.05.2020 15:18<br>08.05.2020 15:18<br>08.05.2020 15:18 | Weight<br>Flag<br>U<br>U<br>U<br>U<br>U | 1<br>1<br>1 |

# **Certificate of Analytical Results 669122**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:<br>Lab Sample I | <b>Bottomhole-1 @ 1'</b><br>Id: 669122-001 |            | Matrix:<br>Date Co | Soil<br>llected: 08.03.202 | 20 13:00 | Date Received:08.           | 05.2020 09 | :05 |
|----------------------------|--|------------|--------------------|----------------------------|----------|-----------------------------|------------|-----|
| Analytical M<br>Tech:      | ethod: BTEX by EPA<br>KTL                  | 8021B      |                    |                            |          | Prep Method: SW % Moisture: | /5035A     |     |
| Analyst:                   | KTL  |            | Date Pre           | ep: 08.08.202              | 20 14:30 | ,                           | et Weight  |     |
| Seq Number:                | 3133981                                    |            |                    | •                          |          |                             |            |     |
| Parameter                  |  | Cas Number | Result             | RL                         | Units    | Analysis Date               | Flag       | Dil |
| Benzene                    |  | 71-43-2    | ND                 | 0.00198                    | mg/kg    | 08.09.2020 12:45            | U          | 1   |
| Toluene                    |  | 108 88 3   | ND                 | 0.00108                    | malka    | 08 09 2020 12:45            | II         | 1   |

| Toluene              | 108-88-3    | NE         | 0.00198    |       | mg/kg  | 08.09.2020 12:45 | U    | 1 |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|---|
| Ethylbenzene         | 100-41-4    | NE         | 0.00198    |       | mg/kg  | 08.09.2020 12:45 | U    | 1 |
| m,p-Xylenes          | 179601-23-1 | NE         | 0.00397    |       | mg/kg  | 08.09.2020 12:45 | U    | 1 |
| o-Xylene             | 95-47-6     | NE         | 0.00198    |       | mg/kg  | 08.09.2020 12:45 | U    | 1 |
| Total Xylenes        | 1330-20-7   | NE         | 0.00198    |       | mg/kg  | 08.09.2020 12:45 | U    | 1 |
| Total BTEX           |             | NE         | 0.00198    |       | mg/kg  | 08.09.2020 12:45 | U    | 1 |
| Surrogate            |             | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |   |
| 1,4-Difluorobenzene  |             | 540-36-3   | 103        | %     | 70-130 | 08.09.2020 12:45 |      |   |
| 4-Bromofluorobenzene |             | 460-00-4   | 105        | %     | 70-130 | 08.09.2020 12:45 |      |   |

## Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id: Bottomhole-2 @ 1'<br>Lab Sample Id: 669122-002  |  | Matrix:<br>Date Colle          | Soil<br>ccted: 08.03.20                   | 20 13:05 |   | Date Received:08.0  | 5.2020 09                                  | :05         |
|--|--|--------------------------------|---|----------|---|---|--|-------------|
| Analytical Method: Chloride by EP<br>Tech: CHE   | PA 300   |                                |   |          |   | Prep Method: E30<br>% Moisture:   | 0P   |             |
| Analyst:CHESeq Number:3133696  |  | Date Prep:                     | 08.05.20                                  | 20 15:30 |   | Basis: Wet  | Weight                                     |             |
| Parameter  | Cas Number   | Result                         | RL  |          | Units                                     | Analysis Date   | Flag                                       | Dil         |
| Chloride   | 16887-00-6   | 99.1                           | 4.95                                      |          | mg/kg                                     | 08.05.2020 17:43  |  | 1           |
|  |  |                                |   |          |   |   |  |             |
| Analytical Method:TPH by SW801Tech:DVMAnalyst:ARMSeq Number:3133741  | 15 Mod   | Date Prep:                     | 08.05.20                                  | 20 12:00 |   | Prep Method: SW8<br>% Moisture:<br>Basis: Wet   | 8015P<br>Weight                            |             |
| Tech: DVM<br>Analyst: ARM  | 15 Mod<br>Cas Number   | Date Prep:<br>Result           | 08.05.20<br>RL                            | 20 12:00 |   | % Moisture:   |  | Dil         |
| Tech:DVMAnalyst:ARMSeq Number:3133741  |  |                                |   | 20 12:00 |   | % Moisture:<br>Basis: Wet   | Weight                                     | <b>Dil</b>  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  | Cas Number   | Result                         | RL  | 20 12:00 | Units                                     | Moisture:<br>Basis: Wet<br>Analysis Date  | Weight<br>Flag                             |             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)   | Cas Number<br>PHC610   | Result<br>ND                   | <b>RL</b> 50.0                            | 20 12:00 | Units<br>mg/kg                            | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 15:40  | Weight<br>Flag<br>U                        | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)  | Cas Number<br>PHC610<br>C10C28DRO                              | Result<br>ND<br>ND             | <b>RL</b><br>50.0<br>50.0                 | 20 12:00 | Units<br>mg/kg<br>mg/kg                   | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 15:40<br>08.05.2020 15:40  | Weight<br>Flag<br>U<br>U                   | 1<br>1      |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)              | <b>Cas Number</b><br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>50.0<br>50.0<br>50.0<br>50.0 | 20 12:00 | Units<br>mg/kg<br>mg/kg<br>mg/kg          | % Moisture:           Basis:         Wet           Analysis Date           08.05.2020 15:40           08.05.2020 15:40           08.05.2020 15:40           08.05.2020 15:40           08.05.2020 15:40 | Weight<br>Flag<br>U<br>U<br>U              | 1<br>1<br>1 |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)<br>Total TPH | <b>Cas Number</b><br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>50.0<br>50.0<br>50.0<br>50.0 |          | Units<br>mg/kg<br>mg/kg<br>mg/kg<br>mg/kg | Moisture:           Basis:         Wet           Analysis Date           08.05.2020 15:40           08.05.2020 15:40           08.05.2020 15:40           08.05.2020 15:40           08.05.2020 15:40   | Weight<br>Flag<br>U<br>U<br>U<br>U<br>Flag | 1<br>1<br>1 |

# **Certificate of Analytical Results 669122**

# Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:Bottomhole-2 @ 1'Lab Sample Id:669122-002               | Matrix:<br>Date Coll | Soil<br>ected: 08.03.2020 13:0 | 5     | Date Received:0                           | 8.05.2020 09         | :05 |
|---|----------------------|--------------------------------|-------|---|----------------------|-----|
| Analytical Method: BTEX by EPA 8021B<br>Tech: KTL<br>Analyst: KTL | Date Prep            | o: 08.08.2020 14:30            | 0     | Prep Method: S<br>% Moisture:<br>Basis: W | W5035A<br>Vet Weight |     |
| Seq Number: 3133981   |                      |                                |       |   |                      |     |
| Parameter Cas Num   | ber Result           | RL                             | Units | Analysis Date                             | Flag                 | Dil |
| Benzene 71-43-2   | ND                   | 0.00198                        | mg/kg | 08.09.2020 13:0                           | 6 U                  | 1   |

| В | enzene               | /1-43-2     | INI        | 0.00198    |       | mg/kg  | 08.09.2020 13:06 | U    | 1 |  |
|---|----------------------|-------------|------------|------------|-------|--------|------------------|------|---|--|
| Т | oluene               | 108-88-3    | NI         | 0.00198    |       | mg/kg  | 08.09.2020 13:06 | U    | 1 |  |
| E | thylbenzene          | 100-41-4    | NI         | 0.00198    |       | mg/kg  | 08.09.2020 13:06 | U    | 1 |  |
| n | n,p-Xylenes          | 179601-23-1 | NI         | 0.00397    |       | mg/kg  | 08.09.2020 13:06 | U    | 1 |  |
| 0 | -Xylene              | 95-47-6     | NI         | 0.00198    |       | mg/kg  | 08.09.2020 13:06 | U    | 1 |  |
| Т | otal Xylenes         | 1330-20-7   | NI         | 0.00198    |       | mg/kg  | 08.09.2020 13:06 | U    | 1 |  |
| Т | otal BTEX            |             | NI         | 0.00198    |       | mg/kg  | 08.09.2020 13:06 | U    | 1 |  |
|   | Surrogate            |             | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |   |  |
|   | 4-Bromofluorobenzene |             | 460-00-4   | 105        | %     | 70-130 | 08.09.2020 13:06 |      |   |  |
|   | 1,4-Difluorobenzene  |             | 540-36-3   | 104        | %     | 70-130 | 08.09.2020 13:06 |      |   |  |

## Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:Bottomhole-3 @ 6"Lab Sample Id:669122-003   |  | Matrix:<br>Date Colle          | Soil<br>ected: 08.03                              | .2020 13:10          |                                  | Date Received:08.03  | 5.2020 09                               | :05         |
|---|--|--------------------------------|---|----------------------|----------------------------------|--|---|-------------|
| Analytical Method: Chloride by EP   | A 300  |                                |   |                      |                                  | Prep Method: E300  | )P                                      |             |
| Tech: CHE   |  |                                |   |                      |                                  | % Moisture:  |   |             |
| Analyst: CHE  |  | Date Prep                      | : 08.05   | .2020 15:30          |                                  | Basis: Wet   | Weight                                  |             |
| Seq Number: 3133696   |  |                                |   |                      |                                  |  |   |             |
| Parameter   | Cas Number   | Result                         | RL  |                      | Units                            | Analysis Date  | Flag                                    | Dil         |
| Chloride  | 16887-00-6   | 98.8                           | 4.95  |                      | mg/kg                            | 08.05.2020 17:48   |   | 1           |
|   |  |                                |   |                      |                                  |  |   |             |
| Analytical Method:TPH by SW80Tech:DVMAnalyst:ARMSeq Number:3133741  | 15 Mod   | Date Prep                      | : 08.05   | .2020 12:00          |                                  | Prep Method: SW8<br>% Moisture:<br>Basis: Wet  | 8015P<br>Weight                         |             |
| Tech: DVM<br>Analyst: ARM   | 15 Mod<br>Cas Number   | Date Prep<br><b>Result</b>     | : 08.05<br>RL                                     | .2020 12:00          | Units                            | % Moisture:  |   | Dil         |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741  |  |                                | -   | .2020 12:00          | Units<br>mg/kg                   | % Moisture:<br>Basis: Wet  | Weight                                  | <b>Dil</b>  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter   | Cas Number   | Result                         | RL  | .2020 12:00          |                                  | % Moisture:<br>Basis: Wet<br>Analysis Date   | Weight<br>Flag                          |             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)  | Cas Number<br>PHC610   | Result                         | <b>RL</b><br>49.9                                 | .2020 12:00          | mg/kg                            | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 16:02   | Weight<br>Flag<br>U                     | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)                                       | Cas Number<br>PHC610<br>C10C28DRO                              | Result<br>ND<br>ND             | <b>RL</b><br>49.9<br>49.9                         | .2020 12:00          | mg/kg<br>mg/kg                   | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 16:02<br>08.05.2020 16:02   | Weight<br>Flag<br>U<br>U                | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO) | <b>Cas Number</b><br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>49.9<br>49.9<br>49.9                 | .2020 12:00<br>Units | mg/kg<br>mg/kg<br>mg/kg          | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 16:02<br>08.05.2020 16:02<br>08.05.2020 16:02<br>08.05.2020 16:02 | Weight<br>Flag<br>U<br>U<br>U           | 1<br>1<br>1 |
| Tech:DVMAnalyst:ARMSeq Number:3133741ParameterGasoline Range Hydrocarbons (GRO)Diesel Range Organics (DRO)Motor Oil Range Hydrocarbons (MRO)Total TPH                   | <b>Cas Number</b><br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>49.9<br>49.9<br>49.9<br>49.9<br>49.9 |                      | mg/kg<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 16:02<br>08.05.2020 16:02<br>08.05.2020 16:02<br>08.05.2020 16:02 | Weight<br>Flag<br>U<br>U<br>U<br>U<br>U | 1<br>1<br>1 |

# **Certificate of Analytical Results 669122**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:<br>Lab Sample I | <b>Bottomhole-3</b> @ 6''<br>d: 669122-003 |            | Matrix:<br>Date Co | -     | Soil<br>)8.03.2020 13:10 |       | Date Received               | :08.05. | 2020 09: | 05 |
|----------------------------|--|------------|--------------------|-------|--------------------------|-------|-----------------------------|---------|----------|----|
| Analytical Mo<br>Tech:     | ethod: BTEX by EPA 8<br>KTL                | 8021B      |                    |       |                          |       | Prep Method:<br>% Moisture: | SW50    | 35A      |    |
| Analyst:                   | KTL  |            | Date Pro           | ep: ( | 08.08.2020 14:30         |       | Basis:                      | Wet W   | Veight   |    |
| Seq Number:                | 3133981                                    | ~          |                    |       |                          |       |                             |         |          |    |
| Parameter                  |  | Cas Number | Result             | RL    | 0                        | Units |                             |         | Flag     |    |

|                      |             |            |            |       |        | -                | -    |   |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|---|
| Benzene              | 71-43-2     | NE         | 0.00198    |       | mg/kg  | 08.09.2020 13:26 | U    | 1 |
| Toluene              | 108-88-3    | NE         | 0.00198    |       | mg/kg  | 08.09.2020 13:26 | U    | 1 |
| Ethylbenzene         | 100-41-4    | NE         | 0.00198    |       | mg/kg  | 08.09.2020 13:26 | U    | 1 |
| m,p-Xylenes          | 179601-23-1 | NE         | 0.00397    |       | mg/kg  | 08.09.2020 13:26 | U    | 1 |
| o-Xylene             | 95-47-6     | NE         | 0.00198    |       | mg/kg  | 08.09.2020 13:26 | U    | 1 |
| Total Xylenes        | 1330-20-7   | NE         | 0.00198    |       | mg/kg  | 08.09.2020 13:26 | U    | 1 |
| Total BTEX           |             | NE         | 0.00198    |       | mg/kg  | 08.09.2020 13:26 | U    | 1 |
| Surrogate            |             | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |   |
| 1,4-Difluorobenzene  |             | 540-36-3   | 105        | %     | 70-130 | 08.09.2020 13:26 |      |   |
| 4-Bromofluorobenzene |             | 460-00-4   | 107        | %     | 70-130 | 08.09.2020 13:26 |      |   |
|                      |             |            |            |       |        |                  |      |   |

## Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:Bottomhole-4 @ 3"Lab Sample Id:669122-004  | ,   | Matrix:<br>Date Colle              | Soil<br>ected: 08.03                      | 3.2020 13:15          |                                  | Date Received:08.0   | 5.2020 09                        | :05         |
|--|---|------------------------------------|---|-----------------------|----------------------------------|--|----------------------------------|-------------|
| Analytical Method: Chloride by EP<br>Tech: CHE   | A 300   |                                    |   |                       |                                  | Prep Method: E300<br>% Moisture:   |                                  |             |
| Analyst: CHE<br>Seq Number: 3133696  |   | Date Prep                          | : 08.05                                   | 5.2020 15:30          |                                  | Basis: Wet   | Weight                           |             |
| Parameter  | Cas Number  | Result                             | RL  |                       | Units                            | Analysis Date  | Flag                             | Dil         |
| Chloride   | 16887-00-6  | 191                                | 4.95                                      |                       | mg/kg                            | 08.05.2020 17:53   |                                  | 1           |
|  |   |                                    |   |                       |                                  |  |                                  |             |
| Analytical Method: TPH by SW80<br>Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741   | 15 Mod  | Date Prep                          | . 08.05                                   | 5.2020 12:00          |                                  | Prep Method: SW8<br>% Moisture:<br>Basis: Wet  | 3015P<br>Weight                  |             |
| Tech: DVM<br>Analyst: ARM  | 15 Mod<br>Cas Number                                    | Date Prep<br>Result                | : 08.05<br>RL                             | 5.2020 12:00          | Units                            | % Moisture:  |                                  | Dil         |
| Tech:DVMAnalyst:ARMSeq Number:3133741  |   |                                    |   | 5.2020 12:00          | Units<br>mg/kg                   | % Moisture:<br>Basis: Wet  | Weight                           | <b>Dil</b>  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  | Cas Number  | Result                             | RL  | 5.2020 12:00          |                                  | % Moisture:<br>Basis: Wet<br>Analysis Date   | Weight<br>Flag                   |             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)   | Cas Number<br>PHC610                                    | Result                             | <b>RL</b> 50.0                            | 5.2020 12:00          | mg/kg                            | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 16:23   | Weight<br>Flag                   | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)  | Cas Number<br>PHC610<br>C10C28DRO                       | Result<br>ND<br>65.3               | <b>RL</b><br>50.0<br>50.0                 | 5.2020 12:00          | mg/kg<br>mg/kg                   | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 16:23<br>08.05.2020 16:23   | Weight<br>Flag<br>U              | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)              | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>65.3<br>ND<br>65.3 | <b>RL</b><br>50.0<br>50.0<br>50.0         | 5.2020 12:00<br>Units | mg/kg<br>mg/kg<br>mg/kg          | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 16:23<br>08.05.2020 16:23<br>08.05.2020 16:23<br>08.05.2020 16:23 | Weight<br>Flag<br>U              | 1<br>1<br>1 |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)<br>Total TPH | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>65.3<br>ND<br>65.3 | <b>RL</b><br>50.0<br>50.0<br>50.0<br>50.0 |                       | mg/kg<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 16:23<br>08.05.2020 16:23<br>08.05.2020 16:23<br>08.05.2020 16:23 | Weight<br>Flag<br>U<br>U<br>Flag | 1<br>1<br>1 |

# **Certificate of Analytical Results 669122**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:    | Bottomhole-4 @ 3"  |            | Matrix: |          | Soil              |       | Date Received | 1:08.0 | 5.2020 09 | :05 |
|---------------|--------------------|------------|---------|----------|-------------------|-------|---------------|--------|-----------|-----|
| Lab Sample I  | d: 669122-004      |            | Date Co | ollected | :08.03.2020 13:15 |       |               |        |           |     |
| Analytical Me | ethod: BTEX by EPA | 8021B      |         |          |                   |       | Prep Method:  | SW5    | 035A      |     |
| Tech:         | KTL                |            |         |          |                   |       | % Moisture:   |        |           |     |
| Analyst:      | KTL                |            | Date Pr | ep:      | 08.08.2020 14:30  |       | Basis:        | Wet    | Weight    |     |
| Seq Number:   | 3133981            |            |         |          |                   |       |               |        |           |     |
| Parameter     |                    | Cas Number | Result  | RL       |                   | Units | Analysis Da   | ate    | Flag      | Dil |
| Benzene       |                    | 71-43-2    | ND      | 0.001    | 99                | mg/kg | 08.09.2020 13 | 3:47   | U         | 1   |
|               |                    |            |         |          |                   |       |               |        |           |     |

|   | Delizene             | /1-43-2     | 19.        | 0.00199    |       | mg/kg  | 08.09.2020 13.47 | U    | 1 |  |
|---|----------------------|-------------|------------|------------|-------|--------|------------------|------|---|--|
| 5 | Toluene              | 108-88-3    | N          | D 0.00199  |       | mg/kg  | 08.09.2020 13:47 | U    | 1 |  |
| 1 | Ethylbenzene         | 100-41-4    | N          | D 0.00199  |       | mg/kg  | 08.09.2020 13:47 | U    | 1 |  |
| 1 | m,p-Xylenes          | 179601-23-1 | N          | D 0.00398  |       | mg/kg  | 08.09.2020 13:47 | U    | 1 |  |
| ( | o-Xylene             | 95-47-6     | N          | D 0.00199  |       | mg/kg  | 08.09.2020 13:47 | U    | 1 |  |
| 5 | Total Xylenes        | 1330-20-7   | N          | D 0.00199  |       | mg/kg  | 08.09.2020 13:47 | U    | 1 |  |
| 5 | Total BTEX           |             | N          | D 0.00199  |       | mg/kg  | 08.09.2020 13:47 | U    | 1 |  |
|   | Surrogate            |             | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |   |  |
|   | 4-Bromofluorobenzene |             | 460-00-4   | 105        | %     | 70-130 | 08.09.2020 13:47 |      |   |  |
|   | 1,4-Difluorobenzene  |             | 540-36-3   | 103        | %     | 70-130 | 08.09.2020 13:47 |      |   |  |

## **Certificate of Analytical Results 669122**

# Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:N Sidewall-1 @ 6"Lab Sample Id:669122-005  |   | Matrix:<br>Date Colle          | Soil<br>ected: 08.03                      | .2020 13:20          |   | Date Received:08.0   | 5.2020 09                                  | :05             |
|--|---|--------------------------------|---|----------------------|---|--|--|-----------------|
| Analytical Method: Chloride by EF  | PA 300  |                                |   |                      |   | Prep Method: E30   | 0P   |                 |
| Tech: CHE  |   |                                |   |                      |   | % Moisture:  |  |                 |
| Analyst: CHE   |   | Date Prep                      | : 08.05                                   | .2020 15:30          |   | Basis: Wet   | Weight                                     |                 |
| Seq Number: 3133696  |   | 1                              |   |                      |   |  |  |                 |
| Parameter  | Cas Number  | Result                         | RL  |                      | Units                                     | Analysis Date  | Flag                                       | Dil             |
| Chloride   | 16887-00-6  | 87.8                           | 4.99                                      |                      | mg/kg                                     | 08.05.2020 17:59   |  | 1               |
| Analytical Method: TPH by SW80   | 15 Mod  |                                |   |                      |   | Prep Method: SW8   | 3015P                                      |                 |
| Analytical Method: TPH by SW80<br>Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  | 15 Mod<br>Cas Number                                    | Date Prep<br>Result            | -   | .2020 12:00          |   | % Moisture:<br>Basis: Wet  | Weight                                     | Dil             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  | Cas Number  | Result                         | RL  | .2020 12:00          | Units                                     | Moisture:<br>Basis: Wet<br>Analysis Date   | Weight<br>Flag                             | Dil             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)   | Cas Number<br>PHC610                                    | Result                         | <b>RL</b> 50.0                            | .2020 12:00          | Units<br>mg/kg                            | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:07   | Weight<br>Flag<br>U                        | <b>Dil</b><br>1 |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  | Cas Number  | Result                         | RL  | .2020 12:00          | Units<br>mg/kg<br>mg/kg                   | Moisture:<br>Basis: Wet<br>Analysis Date   | Weight<br>Flag                             | 1               |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)  | Cas Number<br>PHC610<br>C10C28DRO                       | Result<br>ND<br>ND             | <b>RL</b><br>50.0<br>50.0                 | .2020 12:00          | Units<br>mg/kg                            | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:07<br>08.05.2020 17:07   | Weight<br>Flag<br>U<br>U                   | 1<br>1          |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)              | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>50.0<br>50.0<br>50.0         | .2020 12:00<br>Units | Units<br>mg/kg<br>mg/kg<br>mg/kg          | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:07<br>08.05.2020 17:07<br>08.05.2020 17:07<br>08.05.2020 17:07                     | Weight<br>Flag<br>U<br>U<br>U              | 1<br>1<br>1     |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)<br>Total TPH | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>50.0<br>50.0<br>50.0<br>50.0 |                      | Units<br>mg/kg<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:07<br>08.05.2020 17:07<br>08.05.2020 17:07<br>08.05.2020 17:07<br>08.05.2020 17:07 | Weight<br>Flag<br>U<br>U<br>U<br>U<br>Flag | 1<br>1<br>1     |

# **Certificate of Analytical Results 669122**

# Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:<br>Lab Sample I | <b>N Sidewall-1 @ 6''</b><br>d: 669122-005 |            | Matrix:<br>Date Co | Soil<br>llected: 08.03.2 | 020 13:20 | Date Received:  | 08.05.2020 09 | 9:05 |
|----------------------------|--|------------|--------------------|--------------------------|-----------|-----------------|---------------|------|
| Analytical Mo              | ethod: BTEX by EPA                         | 8021B      |                    |                          |           | Prep Method: S  | SW5035A       |      |
| Tech:                      | KTL  |            |                    |                          |           | % Moisture:     |               |      |
| Analyst:                   | KTL  |            | Date Pr            | ep: 08.08.2              | 020 14:30 | Basis:          | Wet Weight    |      |
| Seq Number:                | 3133981                                    |            |                    |                          |           |                 |               |      |
| Parameter                  |  | Cas Number | Result             | RL                       | Units     | Analysis Date   | e Flag        | Dil  |
| Benzene                    |  | 71-43-2    | ND                 | 0.00199                  | mg/kg     | 08.09.2020 14:0 | 07 U          | 1    |

| Benzene              | 71-43-2     | NE         | 0.00199    |       | mg/kg  | 08.09.2020 14:07 | U    | 1 |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|---|
| Toluene              | 108-88-3    | NE         | 0.00199    |       | mg/kg  | 08.09.2020 14:07 | U    | 1 |
| Ethylbenzene         | 100-41-4    | NE         | 0.00199    |       | mg/kg  | 08.09.2020 14:07 | U    | 1 |
| m,p-Xylenes          | 179601-23-1 | NE         | 0.00398    |       | mg/kg  | 08.09.2020 14:07 | U    | 1 |
| o-Xylene             | 95-47-6     | NE         | 0.00199    |       | mg/kg  | 08.09.2020 14:07 | U    | 1 |
| Total Xylenes        | 1330-20-7   | NE         | 0.00199    |       | mg/kg  | 08.09.2020 14:07 | U    | 1 |
| Total BTEX           |             | NE         | 0.00199    |       | mg/kg  | 08.09.2020 14:07 | U    | 1 |
| Surrogate            |             | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |   |
| 4-Bromofluorobenzene |             | 460-00-4   | 104        | %     | 70-130 | 08.09.2020 14:07 |      |   |
| 1,4-Difluorobenzene  |             | 540-36-3   | 104        | %     | 70-130 | 08.09.2020 14:07 |      |   |

# **Certificate of Analytical Results 669122**

# Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:E Sidewall-1 @ 6"Lab Sample Id:669122-006  |  | Matrix:<br>Date Colle          | Soil<br>ected: 08.03                      | 3.2020 13:25          |                                  | Date Received:08.05  | 5.2020 09                               | :05         |
|--|--|--------------------------------|---|-----------------------|----------------------------------|--|---|-------------|
| Analytical Method: Chloride by EP  | A 300  |                                |   |                       |                                  | Prep Method: E300  | )P                                      |             |
| Tech: CHE  |  |                                |   |                       |                                  | % Moisture:  |   |             |
| Analyst: CHE   |  | Date Prep                      | : 08.05                                   | 5.2020 15:30          |                                  | Basis: Wet   | Weight                                  |             |
| Seq Number: 3133696  |  |                                |   |                       |                                  |  |   |             |
| Parameter  | Cas Number   | Result                         | RL  |                       | Units                            | Analysis Date  | Flag                                    | Dil         |
| Chloride   | 16887-00-6   | 66.0                           | 4.97                                      |                       | mg/kg                            | 08.05.2020 18:04   |   | 1           |
| Analytical Method: TPH by SW801  | 15 Mod   |                                |   |                       |                                  | Prep Method: SW8   | 015P                                    |             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741   |  | Date Prep                      | -   | 5.2020 12:00          |                                  | % Moisture:<br>Basis: Wet  | Weight                                  |             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741   | 15 Mod<br>Cas Number   | Date Prep<br>Result            | : 08.05<br>RL                             | 5.2020 12:00          | Units                            | % Moisture:  |   | Dil         |
| Tech: DVM<br>Analyst: ARM  |  | 1                              | -   | 5.2020 12:00          | Units<br>mg/kg                   | % Moisture:<br>Basis: Wet  | Weight                                  | <b>Dil</b>  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  | Cas Number   | Result                         | RL  | 5.2020 12:00          |                                  | % Moisture:<br>Basis: Wet<br>Analysis Date   | Weight<br>Flag                          |             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)   | Cas Number<br>PHC610   | Result                         | <b>RL</b> 50.0                            | 5.2020 12:00          | mg/kg                            | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:29   | Weight<br>Flag<br>U                     | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)  | Cas Number<br>PHC610<br>C10C28DRO                              | Result<br>ND<br>ND             | <b>RL</b><br>50.0<br>50.0                 | 5.2020 12:00          | mg/kg<br>mg/kg                   | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:29<br>08.05.2020 17:29   | Weight<br>Flag<br>U<br>U                | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)              | <b>Cas Number</b><br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>50.0<br>50.0<br>50.0         | 5.2020 12:00<br>Units | mg/kg<br>mg/kg<br>mg/kg          | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:29<br>08.05.2020 17:29<br>08.05.2020 17:29<br>08.05.2020 17:29 | Weight<br>Flag<br>U<br>U<br>U           | 1<br>1<br>1 |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)<br>Total TPH | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635        | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>50.0<br>50.0<br>50.0<br>50.0 |                       | mg/kg<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:29<br>08.05.2020 17:29<br>08.05.2020 17:29<br>08.05.2020 17:29 | Weight<br>Flag<br>U<br>U<br>U<br>U<br>U | 1<br>1<br>1 |

# **Certificate of Analytical Results 669122**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:<br>Lab Sample I | <b>E Sidewall-1 @ 6''</b><br>d: 669122-006 |            | Matrix:<br>Date Co | Soil<br>llected: 08.03.2020 13:2: | 5     | Date Received:                | 08.05.2020 09 | 9:05 |
|----------------------------|--|------------|--------------------|-----------------------------------|-------|-------------------------------|---------------|------|
| Analytical Mo<br>Tech:     | ethod: BTEX by EPA<br>KTL                  | 8021B      |                    |                                   |       | Prep Method: S<br>% Moisture: | SW5035A       |      |
| Analyst:                   | KTL  |            | Date Pre           | ep: 08.08.2020 14:30              | )     |                               | Wet Weight    |      |
| Seq Number:                | 3133981                                    |            |                    |                                   |       |                               |               |      |
| Parameter                  |  | Cas Number | Result             | RL                                | Units | Analysis Date                 | e Flag        | Dil  |
| Benzene                    |  | 71-43-2    | ND                 | 0.00200                           | mg/kg | 08.09.2020 14:2               | 28 U          | 1    |

| Benzene              | /1-43-2     | NL         | 0.00200    |       | mg/kg  | 08.09.2020 14:28 | U    | 1 |  |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|---|--|
| Toluene              | 108-88-3    | NE         | 0.00200    |       | mg/kg  | 08.09.2020 14:28 | U    | 1 |  |
| Ethylbenzene         | 100-41-4    | NE         | 0.00200    |       | mg/kg  | 08.09.2020 14:28 | U    | 1 |  |
| m,p-Xylenes          | 179601-23-1 | NE         | 0.00399    |       | mg/kg  | 08.09.2020 14:28 | U    | 1 |  |
| o-Xylene             | 95-47-6     | NE         | 0.00200    |       | mg/kg  | 08.09.2020 14:28 | U    | 1 |  |
| Total Xylenes        | 1330-20-7   | NE         | 0.00200    |       | mg/kg  | 08.09.2020 14:28 | U    | 1 |  |
| Total BTEX           |             | NI         | 0.00200    |       | mg/kg  | 08.09.2020 14:28 | U    | 1 |  |
| Surrogate            |             | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |   |  |
| 1,4-Difluorobenzene  |             | 540-36-3   | 105        | %     | 70-130 | 08.09.2020 14:28 |      |   |  |
| 4-Bromofluorobenzene |             | 460-00-4   | 104        | %     | 70-130 | 08.09.2020 14:28 |      |   |  |

# Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:         S Sidewall-1 @ 6''           Lab Sample Id:         669122-007  |   | Matrix:<br>Date Col            | Soil<br>lected: 08.03.             | .2020 13:30          |                                  | Date Received:08.0  | 5.2020 09                                  | :05             |
|--|---|--------------------------------|------------------------------------|----------------------|----------------------------------|---|--|-----------------|
| Analytical Method: Chloride by El  | PA 300  |                                |                                    |                      |                                  | Prep Method: E30  | 0P   |                 |
| Tech: CHE  |   |                                |                                    |                      |                                  | % Moisture:   |  |                 |
| Analyst: CHE   |   | Date Prep                      | p: 08.05.                          | .2020 15:30          |                                  | Basis: Wet  | Weight                                     |                 |
| Seq Number: 3133696  |   | 1                              | L .                                |                      |                                  |   |  |                 |
| Parameter  | Cas Number  | Result                         | RL                                 |                      | Units                            | Analysis Date   | Flag                                       | Dil             |
| Chloride   | 16887-00-6  | 44.9                           | 4.96                               |                      | mg/kg                            | 08.05.2020 18:09  | Х  | 1               |
| Analytical Method: TPH by SW80   | 15 Mod  |                                |                                    |                      |                                  | Prep Method: SW8  | 8015P                                      |                 |
| Analytical Method: TPH by SW80<br>Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741   | 15 Mod  | Date Prej                      | p: 08.05.                          | .2020 12:00          |                                  | % Moisture:   | 8015P<br>Weight                            |                 |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741   | 15 Mod<br>Cas Number                                    | Date Prep<br>Result            | p: 08.05.<br><b>RL</b>             | .2020 12:00          | Units                            | % Moisture:   |  | Dil             |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  |   |                                |                                    | .2020 12:00          | Units<br>mg/kg                   | % Moisture:<br>Basis: Wet   | Weight                                     | <b>Dil</b><br>1 |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)   | Cas Number  | Result                         | RL                                 | .2020 12:00          |                                  | <ul> <li>Moisture:</li> <li>Basis: Wet</li> <li>Analysis Date</li> </ul>  | Weight<br>Flag                             |                 |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)  | Cas Number<br>PHC610                                    | <b>Result</b><br>ND            | <b>RL</b><br>49.9                  | .2020 12:00          | mg/kg                            | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:51  | Weight<br>Flag<br>U                        | 1               |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)              | Cas Number<br>PHC610<br>C10C28DRO                       | Result<br>ND<br>ND             | <b>RL</b><br>49.9<br>49.9          | .2020 12:00          | mg/kg<br>mg/kg                   | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:51<br>08.05.2020 17:51  | Weight<br>Flag<br>U<br>U                   | 1               |
| Tech: DVM<br>Analyst: ARM  | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b> 49.9 49.9 49.9 49.9      | .2020 12:00<br>Units | mg/kg<br>mg/kg<br>mg/kg          | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 17:51<br>08.05.2020 17:51<br>08.05.2020 17:51<br>08.05.2020 17:51    | Weight<br>Flag<br>U<br>U<br>U              | 1<br>1<br>1     |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)<br>Fotal TPH | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b> 49.9 49.9 49.9 49.9 49.9 |                      | mg/kg<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>08.05.2020 17:51<br>08.05.2020 17:51<br>08.05.2020 17:51<br>08.05.2020 17:51<br>08.05.2020 17:51 | Weight<br>Flag<br>U<br>U<br>U<br>U<br>Flag | 1<br>1<br>1     |
Environment Testing Xenco

## **Certificate of Analytical Results 669122**

### Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id: Sample Id: Cab Sample Id: | <b>S Sidewall-1 @ 6''</b><br>669122-007 |            | Matrix:<br>Date Col | Soil<br>lected: 08.03.2020 13:30 |                | Date Received:                 | 08.05.2020 09 | 9:05       |
|--|---|------------|---------------------|----------------------------------|----------------|--------------------------------|---------------|------------|
| 5  | od: BTEX by EPA 80<br>KTL               | 21B        |                     |                                  |                | Prep Method: 3<br>% Moisture:  | SW5035A       |            |
|  | TL                                      |            | Date Pre            | p: 08.08.2020 14:30              |                | Basis:                         | Wet Weight    |            |
| Seq Number: 3 Parameter  | 133981                                  | Cas Number | Result              | RL                               | Un:ta          | Analysis Dat                   | in Floo       | D:I        |
| Benzene  |   | 71-43-2    | ND                  | 0.00200                          | Units<br>mg/kg | Analysis Dat<br>08.09.2020 14: | 8             | <b>Dil</b> |

| Benzene              | 71-43-2     | NI         | 0.00200    |       | mg/kg  | 08.09.2020 14:48 | U    | 1 |  |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|---|--|
| Toluene              | 108-88-3    | NI         | 0.00200    |       | mg/kg  | 08.09.2020 14:48 | U    | 1 |  |
| Ethylbenzene         | 100-41-4    | NI         | 0.00200    |       | mg/kg  | 08.09.2020 14:48 | U    | 1 |  |
| m,p-Xylenes          | 179601-23-1 | NI         | 0.00399    |       | mg/kg  | 08.09.2020 14:48 | U    | 1 |  |
| o-Xylene             | 95-47-6     | NI         | 0.00200    |       | mg/kg  | 08.09.2020 14:48 | U    | 1 |  |
| Total Xylenes        | 1330-20-7   | NI         | 0.00200    |       | mg/kg  | 08.09.2020 14:48 | U    | 1 |  |
| Total BTEX           |             | NI         | 0.00200    |       | mg/kg  | 08.09.2020 14:48 | U    | 1 |  |
| Surrogate            |             | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |   |  |
| 4-Bromofluorobenzene |             | 460-00-4   | 106        | %     | 70-130 | 08.09.2020 14:48 |      |   |  |
| 1,4-Difluorobenzene  |             | 540-36-3   | 104        | %     | 70-130 | 08.09.2020 14:48 |      |   |  |

Environment Test Xenco

### Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id: W Sidewall-1 @ 6''<br>Lab Sample Id: 669122-008   | Matrix:<br>Date Colle                                   | Soil<br>ected: 08.03.          | 2020 13:35                         | Date Received:08.05.2020 09:05 |                                  |  |  |             |
|--|---|--------------------------------|------------------------------------|--------------------------------|----------------------------------|--|--|-------------|
| Analytical Method: Chloride by EP<br>Tech: CHE   | PA 300  |                                |                                    |                                |                                  | Prep Method: E30<br>% Moisture:  | 0P   |             |
| Analyst:CHESeq Number:3133696  |   | Date Prep                      | 08.05.                             | 2020 15:30                     |                                  | Basis: Wet   | Weight                                     |             |
| Parameter  | Cas Number  | Result                         | RL                                 |                                | Units                            | Analysis Date  | Flag                                       | Dil         |
| Chloride   | 16887-00-6  | 39.2                           | 5.04                               |                                | mg/kg                            | 08.05.2020 18:25   |  | 1           |
| Analytical Method TPH by SW80  | 15 Mod  |                                |                                    |                                |                                  | Pren Method: SWS   | 8015P                                      |             |
| Analytical Method: TPH by SW80<br>Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741   |   | Date Prep                      |                                    | 2020 12:00                     |                                  |  | Weight                                     | Dil         |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  | Cas Number  | Result                         | RL                                 | 2020 12:00                     | Units                            | <ul> <li>Moisture:</li> <li>Basis: Wet</li> <li>Analysis Date</li> </ul>   | Weight<br>Flag                             | Dil         |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)   | Cas Number<br>PHC610                                    | Result                         | <b>RL</b><br>49.8                  | 2020 12:00                     | Units<br>mg/kg                   | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 18:12   | Weight<br>Flag<br>U                        | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)  | Cas Number<br>PHC610<br>C10C28DRO                       | Result<br>ND<br>ND             | <b>RL</b><br>49.8<br>49.8          | 2020 12:00                     | Units<br>mg/kg<br>mg/kg          | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 18:12<br>08.05.2020 18:12   | Weight<br>Flag<br>U<br>U                   | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)   | Cas Number<br>PHC610                                    | Result                         | <b>RL</b><br>49.8                  | 2020 12:00                     | Units<br>mg/kg                   | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 18:12   | Weight<br>Flag<br>U                        | 1           |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)              | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b><br>49.8<br>49.8<br>49.8  | 2020 12:00<br>Units            | Units<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 18:12<br>08.05.2020 18:12<br>08.05.2020 18:12<br>08.05.2020 18:12 | Weight<br>Flag<br>U<br>U<br>U              | 1<br>1<br>1 |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)<br>Total TPH | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>ND<br>ND<br>ND | <b>RL</b> 49.8 49.8 49.8 49.8 49.8 |                                | Units<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 18:12<br>08.05.2020 18:12<br>08.05.2020 18:12<br>08.05.2020 18:12 | Weight<br>Flag<br>U<br>U<br>U<br>U<br>Flag | 1<br>1<br>1 |

Environment Testing Xenco

## **Certificate of Analytical Results 669122**

### Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id: W Sidewall-1 @<br>Lab Sample Id: 669122-008 | ⊉ 6''      | Matrix:<br>Date Col | Soil<br>llected: 08.03.2020 13:3 | 5     | Date Received:                | 08.05.2020 09 | 9:05 |
|--|------------|---------------------|----------------------------------|-------|-------------------------------|---------------|------|
| Analytical Method: BTEX by I<br>Tech: KTL              | EPA 8021B  |                     |                                  |       | Prep Method: S<br>% Moisture: | SW5035A       |      |
| Analyst: KTL<br>Seq Number: 3133981                    |            | Date Pre            | p: 08.08.2020 14:3               | 0     | Basis: V                      | Wet Weight    |      |
| Parameter  | Cas Number | Result              | RL                               | Units | Analysis Date                 | e Flag        | Dil  |
| Benzene  | 71-43-2    | ND                  | 0.00199                          | mg/kg | 08.09.2020 15:0               | 08 U          | 1    |

| B  | enzene               | /1-43-2     | N          | D  | 0.00199    |       | mg/kg  | 08.09.2020 15:08 | U    | 1 |  |
|----|----------------------|-------------|------------|----|------------|-------|--------|------------------|------|---|--|
| To | oluene               | 108-88-3    | Ν          | JD | 0.00199    |       | mg/kg  | 08.09.2020 15:08 | U    | 1 |  |
| Et | thylbenzene          | 100-41-4    | Ν          | JD | 0.00199    |       | mg/kg  | 08.09.2020 15:08 | U    | 1 |  |
| m  | ,p-Xylenes           | 179601-23-1 | Ν          | JD | 0.00398    |       | mg/kg  | 08.09.2020 15:08 | U    | 1 |  |
| 0- | Xylene               | 95-47-6     | Ν          | JD | 0.00199    |       | mg/kg  | 08.09.2020 15:08 | U    | 1 |  |
| Т  | otal Xylenes         | 1330-20-7   | Ν          | JD | 0.00199    |       | mg/kg  | 08.09.2020 15:08 | U    | 1 |  |
| То | otal BTEX            |             | Ν          | ID | 0.00199    |       | mg/kg  | 08.09.2020 15:08 | U    | 1 |  |
|    | Surrogate            |             | Cas Number | %  | 6 Recovery | Units | Limits | Analysis Date    | Flag |   |  |
|    | 1,4-Difluorobenzene  |             | 540-36-3   |    | 104        | %     | 70-130 | 08.09.2020 15:08 |      |   |  |
|    | 4-Bromofluorobenzene |             | 460-00-4   |    | 106        | %     | 70-130 | 08.09.2020 15:08 |      |   |  |

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### Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:StockpileLab Sample Id:669122-009  |  | Matrix:<br>Date Colle                   | Soil<br>cted: 08.03                       | .2020 13:40          |                                  | Date Received:08.05.2020 09:05   |                                  |             |  |  |
|--|--|---|---|----------------------|----------------------------------|--|----------------------------------|-------------|--|--|
| Analytical Method: Chloride by EP<br>Tech: CHE   | PA 300   |   |   |                      |                                  | Prep Method: E300<br>% Moisture:   | )P                               |             |  |  |
| Analyst: CHE   |  | Date Prep:                              | 08.05                                     | .2020 15:30          |                                  |  | Weight                           |             |  |  |
| Seq Number: 3133696  |  |   |   |                      |                                  |  |                                  |             |  |  |
| Parameter  | Cas Number   | Result                                  | RL  |                      | Units                            | Analysis Date  | Flag                             | Dil         |  |  |
| Chloride   | 16887-00-6   | 463                                     | 4.98                                      |                      | mg/kg                            | 08.05.2020 18:30   |                                  | 1           |  |  |
|  |  |   |   |                      |                                  |  |                                  |             |  |  |
| Analytical Method: TPH by SW80<br>Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741   | 15 Mod   | Date Prep:                              | 08.05                                     | .2020 12:00          |                                  | Prep Method: SW8<br>% Moisture:<br>Basis: Wet  | 3015P<br>Weight                  |             |  |  |
| Tech: DVM<br>Analyst: ARM  | 15 Mod<br>Cas Number   | Date Prep:<br>Result                    | 08.05<br>RL                               | .2020 12:00          | Units                            | % Moisture:  |                                  | Dil         |  |  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741   |  | 1                                       |   | .2020 12:00          |                                  | % Moisture:<br>Basis: Wet  | Weight                           | <b>Dil</b>  |  |  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter  | Cas Number   | Result                                  | RL  | .2020 12:00          | Units                            | % Moisture:<br>Basis: Wet<br>Analysis Date   | Weight<br>Flag                   |             |  |  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)   | Cas Number<br>PHC610   | Result<br>ND                            | <b>RL</b> 50.0                            | .2020 12:00          | Units<br>mg/kg                   | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 18:34   | Weight<br>Flag                   | 1           |  |  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)  | Cas Number<br>PHC610<br>C10C28DRO                              | Result<br>ND<br>211                     | <b>RL</b><br>50.0<br>50.0                 | .2020 12:00          | Units<br>mg/kg<br>mg/kg          | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 18:34<br>08.05.2020 18:34   | Weight<br>Flag<br>U              | 1<br>1      |  |  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)              | Cas Number<br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635        | Result<br>ND<br>211<br>ND<br>211<br>211 | <b>RL</b><br>50.0<br>50.0<br>50.0         | .2020 12:00<br>Units | Units<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 18:34<br>08.05.2020 18:34<br>08.05.2020 18:34<br>08.05.2020 18:34 | Weight<br>Flag<br>U              | 1<br>1<br>1 |  |  |
| Tech: DVM<br>Analyst: ARM<br>Seq Number: 3133741<br>Parameter<br>Gasoline Range Hydrocarbons (GRO)<br>Diesel Range Organics (DRO)<br>Motor Oil Range Hydrocarbons (MRO)<br>Total TPH | <b>Cas Number</b><br>PHC610<br>C10C28DRO<br>PHCG2835<br>PHC635 | Result<br>ND<br>211<br>ND<br>211<br>211 | <b>RL</b><br>50.0<br>50.0<br>50.0<br>50.0 |                      | Units<br>mg/kg<br>mg/kg<br>mg/kg | % Moisture:<br>Basis: Wet<br>Analysis Date<br>08.05.2020 18:34<br>08.05.2020 18:34<br>08.05.2020 18:34<br>08.05.2020 18:34 | Weight<br>Flag<br>U<br>U<br>Flag | 1<br>1<br>1 |  |  |

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## **Certificate of Analytical Results 669122**

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### Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Dangana       |                   | 71 42 0    | ND       | 0.00100             |       | 09 10 2020 22.1 | 1 1           | 1    |
|---------------|-------------------|------------|----------|---------------------|-------|-----------------|---------------|------|
| Parameter     |                   | Cas Number | Result   | RL                  | Units | Analysis Date   | e Flag        | Dil  |
| Seq Number:   | 3134109           |            |          |                     |       |                 |               |      |
| Analyst:      | AMF               |            | Date Pre | p: 08.10.2020       | 11:00 | Basis: V        | Wet Weight    |      |
| Tech:         | AMF               |            |          |                     |       | % Moisture:     |               |      |
| Analytical Me | ethod: BTEX by EP | A 8021B    |          |                     |       | Prep Method: S  | SW5035A       |      |
| Lab Sample I  | d: 669122-009     |            | Date Col | llected: 08.03.2020 | 13:40 |                 |               |      |
| Sample Id:    | Stockpile         |            | Matrix:  | Soil                |       | Date Received:  | 08.05.2020 09 | 9:05 |
|               |                   |            |          |                     |       |                 |               |      |

| Benzene              | 71-43-2     | NI         | 0.00199    |       | mg/kg  | 08.10.2020 23:11 | U    | 1 |
|----------------------|-------------|------------|------------|-------|--------|------------------|------|---|
| Toluene              | 108-88-3    | NI         | 0.00199    |       | mg/kg  | 08.10.2020 23:11 | U    | 1 |
| Ethylbenzene         | 100-41-4    | NI         | 0.00199    |       | mg/kg  | 08.10.2020 23:11 | U    | 1 |
| m,p-Xylenes          | 179601-23-1 | NI         | 0.00398    |       | mg/kg  | 08.10.2020 23:11 | U    | 1 |
| o-Xylene             | 95-47-6     | NI         | 0.00199    |       | mg/kg  | 08.10.2020 23:11 | U    | 1 |
| Total Xylenes        | 1330-20-7   | NI         | 0.00199    |       | mg/kg  | 08.10.2020 23:11 | U    | 1 |
| Total BTEX           |             | NI         | 0.00199    |       | mg/kg  | 08.10.2020 23:11 | U    | 1 |
| Surrogate            |             | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |   |
| 4-Bromofluorobenzene |             | 460-00-4   | 103        | %     | 70-130 | 08.10.2020 23:11 |      |   |
| 1,4-Difluorobenzene  |             | 540-36-3   | 100        | %     | 70-130 | 08.10.2020 23:11 |      |   |

#### Environment Testing Xenco

# **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              | <b>SDL</b> Sample Detection Limit | LOD Limit of Detection               |                                  |
| <b>PQL</b> Practical Quantitation Limit | MQL Method Quantitation Lir       | nit <b>LOQ</b> Limit of Quantitation | on                               |
| DL Method Detection Limit               |                                   |                                      |                                  |
| NC Non-Calculable                       |                                   |                                      |                                  |
| SMP Client Sample                       | BLK                               | Method Blank                         |                                  |
| <b>BKS/LCS</b> Blank Spike/Laboratory C | Control Sample BKSD/LCS           | SD Blank Spike Duplicate/Labo        | pratory Control Sample Duplicate |
| MD/SD Method Duplicate/Sample           | e Duplicate MS                    | Matrix Spike                         | MSD: Matrix Spike Duplicate      |
| + NELAC certification not offered for   | or this compound.                 |                                      |                                  |

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

### Received by OCD: 12/1/2020/12:00:515 5AM/

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QC Summary 669122

### Etech Environmental & Safety Solution, Inc

Winnebago 30 State COM 501H & 502H

| <b>Analytical Method:</b><br>Seq Number:<br>MB Sample Id:     | 3133696                                       | 7708786-1-BLK    |                 |               | Matrix: Solie<br>LCS Sample Id: 7708 |                    |                    |        | Prep Method: E300F<br>Date Prep: 08.05<br>LCSD Sample Id: 77087 |                                 |                       | 05.2020                        |      |
|---|---|------------------|-----------------|---------------|--------------------------------------|--------------------|--------------------|--------|---|---------------------------------|-----------------------|--------------------------------|------|
| Parameter   |   | MB<br>Result     | Spike           | LCS<br>Result | LCS<br>%Rec                          | LCSD               |                    | Limits | %RPD  | RPD<br>Limit                    | Units                 | Analysis<br>Date               | Flag |
| Chloride  |   | <5.00            | Amount<br>250   | 271           | 108                                  | Result<br>270      | <b>%Rec</b><br>108 | 90-110 | 0   | 20                              | mg/kg                 | 08.05.2020 16:45               |      |
| <b>Analytical Method:</b><br>Seq Number:<br>Parent Sample Id: | <b>Chloride by H</b><br>3133696<br>669118-021 | EPA 30           | 0               |               | Matrix:<br>nple Id:                  | Soil<br>669118-02  | 21 S               |        |   | ep Methe<br>Date Pr<br>D Sample | ep: 08.0              | 0P<br>)5.2020<br>118-021 SD    |      |
| Parameter   | Р   | 'arent<br>Result | Spike<br>Amount | MS<br>Result  | MS<br>%Rec                           | MSD<br>Result      | MSD<br>%Rec        | Limits | %RPD  | RPD<br>Limit                    | Units                 | Analysis<br>Date               | Flag |
| Chloride  |   | 670              | 249             | 935           | 106                                  | 932                | 105                | 90-110 | 0   | 20                              | mg/kg                 | 08.05.2020 17:01               |      |
| <b>Analytical Method:</b><br>Seq Number:<br>Parent Sample Id: | 3133696<br>669122-007                         |                  |                 | MS Sar        | -                                    | 669122-00          |                    |        | MS  | -                               | ep: 08.0<br>e Id: 669 | )5.2020<br>122-007 SD          |      |
| Parameter   |   | 'arent<br>Result | Spike<br>Amount | MS<br>Result  | MS<br>%Rec                           | MSD<br>Result      | MSD<br>%Rec        | Limits | %RPD  | RPD<br>Limit                    | Units                 | Analysis<br>Date               | Flag |
| Chloride  |   | 44.9             | 248             | 324           | 113                                  | 322                | 112                | 90-110 | 1   | 20                              | mg/kg                 | 08.05.2020 18:14               | Х    |
| <b>Analytical Method:</b><br>Seq Number:<br>MB Sample Id:     | <b>TPH by SW8</b><br>3133741<br>7708797-1-BI  |                  | od              |               | Matrix:<br>nple Id:                  | Solid<br>7708797-1 | I-BKS              |        |   | ep Methe<br>Date Pr<br>D Sample | ep: 08.0              | 8015P<br>)5.2020<br>8797-1-BSD |      |
| Parameter   |   | MB<br>Result     | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec                          | LCSD<br>Result     | LCSD<br>%Rec       | Limits | %RPD  | RPD<br>Limit                    | Units                 | Analysis<br>Date               | Flag |
| Gasoline Range Hydrocarb                                      |   | <50.0            | 1000            | 896           | 90                                   | 883                | 88                 | 70-130 | 1   | 20                              | mg/kg                 | 08.05.2020 11:44               |      |
| Diesel Range Organics   | (DRO)   | <50.0            | 1000            | 932           | 93                                   | 924                | 92                 | 70-130 | 1   | 20                              | mg/kg                 | 08.05.2020 11:44               |      |
| Surrogate   |   | MB<br>%Rec       | MB<br>Flag      |               |                                      | LCS<br>Flag        | LCSI<br>%Re        |        |   | mits                            | Units                 | Analysis<br>Date               |      |
| 1-Chlorooctane  |   | 99               |                 |               | 05                                   |                    | 108                |        |   | -130                            | %                     | 08.05.2020 11:44               |      |
| o-Terphenyl   |   | 100              |                 | 1             | 01                                   |                    | 101                |        | 70  | -130                            | %                     | 08.05.2020 11:44               |      |
| <b>Analytical Method:</b><br>Seq Number:                      | <b>TPH by SW8</b><br>3133741                  | 015 M            | od              |               | Matrix:<br>nple Id:                  | Solid<br>7708797-1 | I-BLK              |        | Pr  | ep Meth<br>Date Pr              |                       | 8015P<br>)5.2020               |      |
| Parameter   |   |                  |                 | MB<br>Result  |                                      |                    |                    |        |   |                                 | Units                 | Analysis<br>Date               | Flag |
| Motor Oil Range Hydrocar                                      | bons (MRO)                                    |                  |                 | ND            |                                      |                    |                    |        |   |                                 | mg/kg                 | 08.05.2020 11:23               |      |
|   |   |                  |                 |               |                                      |                    |                    |        |   |                                 |                       |                                |      |

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $\begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

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

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

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Final 1.000
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### Received by OCD: 12/1/2020/12:00:515 AMA

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Environment Testing

### QC Summary 669122

### **Etech Environmental & Safety Solution, Inc**

Winnebago 30 State COM 501H & 502H

| Analytical Method: TPH by SW8015 Mod |           |                  |                 |              |            |               |             |        | Pi   | rep Meth     | od: SW    | 8015P            |      |
|--------------------------------------|-----------|------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|-----------|------------------|------|
| Seq Number:                          | 3133741   |                  |                 |              | Matrix:    | Soil          |             |        |      | Date Pr      | ep: 08.0  | )5.2020          |      |
| Parent Sample Id:                    | 668977-00 | )4               |                 | MS Sar       | nple Id:   | 668977-00     | )4 S        |        | MS   | D Sample     | e Id: 668 | 977-004 SD       |      |
| Parameter                            |           | Parent<br>Result | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units     | Analysis<br>Date | Flag |
| Gasoline Range Hydrocarb             | ons (GRO) | <49.9            | 997             | 826          | 83         | 847           | 85          | 70-130 | 3    | 20           | mg/kg     | 08.05.2020 12:48 |      |
| Diesel Range Organics                | (DRO)     | <49.9            | 997             | 856          | 86         | 866           | 87          | 70-130 | 1    | 20           | mg/kg     | 08.05.2020 12:48 |      |
| Surrogate                            |           |                  |                 |              | 1S<br>Rec  | MS<br>Flag    | MSD<br>%Re  |        |      | imits        | Units     | Analysis<br>Date |      |
| 1-Chlorooctane                       |           |                  |                 | ç            | 93         |               | 94          |        | 70   | -130         | %         | 08.05.2020 12:48 |      |
| o-Terphenyl                          |           |                  |                 | 8            | 34         |               | 85          |        | 70   | -130         | %         | 08.05.2020 12:48 |      |

| Analytical Method:   | BTEX by EPA 8021 | B               |               |             |                |              |        | P    | rep Meth     | od: SW    | 5035A            |      |
|----------------------|------------------|-----------------|---------------|-------------|----------------|--------------|--------|------|--------------|-----------|------------------|------|
| Seq Number:          | 3133981          |                 | ]             | Matrix:     | Solid          |              |        |      | Date Pr      | ep: 08.0  | 08.2020          |      |
| MB Sample Id:        | 7709040-1-BLK    |                 | LCS San       | nple Id:    | 7709040-1      | 1-BKS        |        | LCS  | D Sample     | e Id: 770 | 9040-1-BSD       |      |
| Parameter            | MB<br>Result     | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units     | Analysis<br>Date | Flag |
| Benzene              | < 0.00200        | 0.100           | 0.0756        | 76          | 0.0762         | 76           | 70-130 | 1    | 35           | mg/kg     | 08.09.2020 09:42 |      |
| Toluene              | < 0.00200        | 0.100           | 0.0715        | 72          | 0.0796         | 80           | 70-130 | 11   | 35           | mg/kg     | 08.09.2020 09:42 |      |
| Ethylbenzene         | < 0.00200        | 0.100           | 0.0781        | 78          | 0.0790         | 79           | 70-130 | 1    | 35           | mg/kg     | 08.09.2020 09:42 |      |
| m,p-Xylenes          | < 0.00400        | 0.200           | 0.157         | 79          | 0.159          | 80           | 70-130 | 1    | 35           | mg/kg     | 08.09.2020 09:42 |      |
| o-Xylene             | < 0.00200        | 0.100           | 0.0796        | 80          | 0.0806         | 81           | 70-130 | 1    | 35           | mg/kg     | 08.09.2020 09:42 |      |
| Surrogate            | MB<br>%Rec       | MB<br>Flag      |               | CS<br>Rec   | LCS<br>Flag    | LCSI<br>%Re  |        |      | imits        | Units     | Analysis<br>Date |      |
| 1,4-Difluorobenzene  | 103              |                 | 1             | 00          |                | 100          | 1      | 70   | -130         | %         | 08.09.2020 09:42 |      |
| 4-Bromofluorobenzene | 103              |                 | 9             | 9           |                | 100          | 1      | 70   | -130         | %         | 08.09.2020 09:42 |      |

| Analytical Method:   | •             | B               |               |             | a              |              |        | P    | rep Meth     |           | 5035A            |      |
|----------------------|---------------|-----------------|---------------|-------------|----------------|--------------|--------|------|--------------|-----------|------------------|------|
| Seq Number:          | 3134109       |                 |               | Matrix:     | Solid          |              |        |      | Date Pr      | ep: 08.1  | 0.2020           |      |
| MB Sample Id:        | 7709139-1-BLK |                 | LCS San       | nple Id:    | 7709139-1      | I-BKS        |        | LCS  | D Sample     | e Id: 770 | 9139-1-BSD       |      |
| Parameter            | MB<br>Result  | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units     | Analysis<br>Date | Flag |
| Benzene              | < 0.00200     | 0.100           | 0.0868        | 87          | 0.0884         | 88           | 70-130 | 2    | 35           | mg/kg     | 08.10.2020 13:54 |      |
| Toluene              | < 0.00200     | 0.100           | 0.0865        | 87          | 0.0886         | 89           | 70-130 | 2    | 35           | mg/kg     | 08.10.2020 13:54 |      |
| Ethylbenzene         | < 0.00200     | 0.100           | 0.0910        | 91          | 0.0943         | 94           | 70-130 | 4    | 35           | mg/kg     | 08.10.2020 13:54 |      |
| m,p-Xylenes          | < 0.00400     | 0.200           | 0.183         | 92          | 0.190          | 95           | 70-130 | 4    | 35           | mg/kg     | 08.10.2020 13:54 |      |
| o-Xylene             | < 0.00200     | 0.100           | 0.0919        | 92          | 0.0955         | 96           | 70-130 | 4    | 35           | mg/kg     | 08.10.2020 13:54 |      |
| Surrogate            | MB<br>%Rec    | MB<br>Flag      |               | CS<br>Rec   | LCS<br>Flag    | LCSI<br>%Re  |        |      | imits        | Units     | Analysis<br>Date |      |
| 1,4-Difluorobenzene  | 100           |                 | ç             | 99          |                | 99           |        | 70   | -130         | %         | 08.10.2020 13:54 |      |
| 4-Bromofluorobenzene | 107           |                 | 1             | 02          |                | 104          |        | 70   | -130         | %         | 08.10.2020 13:54 |      |

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $\begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

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

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

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### Received by OCD: 12/1/2020/12:00:515 AMA

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**Environment Testing** 

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QC Summary 669122

### **Etech Environmental & Safety Solution, Inc**

Winnebago 30 State COM 501H & 502H

| Analytical Method:   | BTEX by EPA 8021 | 1B              |              |            |               |             |        | P    | rep Meth     | od: SW    | 5035A            |      |
|----------------------|------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|-----------|------------------|------|
| Seq Number:          | 3133981          |                 | I            | Matrix:    | Soil          |             |        |      | Date Pr      | ep: 08.0  | 08.2020          |      |
| Parent Sample Id:    | 669119-002       |                 | MS San       | nple Id:   | 669119-00     | 02 S        |        | MS   | D Sample     | e Id: 669 | 119-002 SD       |      |
| Parameter            | Parent<br>Result | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units     | Analysis<br>Date | Flag |
| Benzene              | < 0.00199        | 0.0996          | 0.0694       | 70         | 0.0711        | 71          | 70-130 | 2    | 35           | mg/kg     | 08.09.2020 10:23 |      |
| Toluene              | < 0.00199        | 0.0996          | 0.0699       | 70         | 0.0738        | 74          | 70-130 | 5    | 35           | mg/kg     | 08.09.2020 10:23 |      |
| Ethylbenzene         | < 0.00199        | 0.0996          | 0.0650       | 65         | 0.0707        | 71          | 70-130 | 8    | 35           | mg/kg     | 08.09.2020 10:23 | Х    |
| m,p-Xylenes          | < 0.00398        | 0.199           | 0.130        | 65         | 0.141         | 71          | 70-130 | 8    | 35           | mg/kg     | 08.09.2020 10:23 | Х    |
| o-Xylene             | < 0.00199        | 0.0996          | 0.0668       | 67         | 0.0723        | 72          | 70-130 | 8    | 35           | mg/kg     | 08.09.2020 10:23 | Х    |
| Surrogate            |                  |                 |              | IS<br>Rec  | MS<br>Flag    | MSD<br>%Ree |        |      | imits        | Units     | Analysis<br>Date |      |
| 1,4-Difluorobenzene  |                  |                 | 10           | 01         |               | 101         |        | 70   | -130         | %         | 08.09.2020 10:23 |      |
| 4-Bromofluorobenzene |                  |                 | 10           | 02         |               | 104         |        | 70   | -130         | %         | 08.09.2020 10:23 |      |

| <b>Analytical Method:</b><br>Seq Number:<br>Parent Sample Id: | <b>BTEX by EPA 8021</b><br>3134109<br>669427-015 | B               | MS Sar       | Matrix:<br>nple Id: | Soil<br>669427-01 | 15 S        |        |      | rep Metho<br>Date Pro<br>D Sample | ep: 08. | 5035A<br>10.2020<br>427-015 SD |      |
|---|--|-----------------|--------------|---------------------|-------------------|-------------|--------|------|-----------------------------------|---------|--------------------------------|------|
| Parameter   | Parent<br>Result                                 | Spike<br>Amount | MS<br>Result | MS<br>%Rec          | MSD<br>Result     | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit                      | Units   | Analysis<br>Date               | Flag |
| Benzene   | < 0.00200  | 0.0998          | 0.106        | 106                 | 0.124             | 125         | 70-130 | 16   | 35                                | mg/kg   | 08.10.2020 14:35               |      |
| Toluene   | < 0.00200  | 0.0998          | 0.117        | 117                 | 0.144             | 145         | 70-130 | 21   | 35                                | mg/kg   | 08.10.2020 14:35               | Х    |
| Ethylbenzene  | < 0.00200  | 0.0998          | 0.112        | 112                 | 0.135             | 136         | 70-130 | 19   | 35                                | mg/kg   | 08.10.2020 14:35               | Х    |
| m,p-Xylenes   | < 0.00399  | 0.200           | 0.193        | 97                  | 0.224             | 113         | 70-130 | 15   | 35                                | mg/kg   | 08.10.2020 14:35               |      |
| o-Xylene  | < 0.00200  | 0.0998          | 0.112        | 112                 | 0.134             | 135         | 70-130 | 18   | 35                                | mg/kg   | 08.10.2020 14:35               | Х    |
| Surrogate   |  |                 |              | IS<br>Rec           | MS<br>Flag        | MSD<br>%Ree |        |      | imits                             | Units   | Analysis<br>Date               |      |
| 1,4-Difluorobenzene   |  |                 | 1            | 00                  |                   | 100         |        | 70   | )-130                             | %       | 08.10.2020 14:35               |      |
| 4-Bromofluorobenzene  |  |                 | 1            | 07                  |                   | 107         |        | 70   | )-130                             | %       | 08.10.2020 14:35               |      |

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $\begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

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

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

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Page 28 of 30

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Work Order No: UU9173

| Atlanta, GA (770) 449-8800 | Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-670 | Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900 | Midiand, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 | Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334 |  |
|----------------------------|--|---|--|---|--|
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|  |   |                          |                                   |   |                                     |                                    |   |   |   | www.xenco.com Page   | ę,            |
|--|---|--------------------------|-----------------------------------|---|-------------------------------------|------------------------------------|---|---|---|--|---------------|
|  |   |                          |                                   | Bill to: (if different)                                     | đ                                   |                                    |   |   |   | ğ  |               |
| Address:   | PO Box 62228  | & Safety Solut           |                                   | Company Name:   |                                     | Centennia                          |   |   |   | ٦  | Superfund     |
| te ZIP:  | Midland, Texas 79711  |                          |                                   | Pitr chata 710  |                                     |                                    |   |   |   |  |               |
|  |   |                          |                                   | Vity, State LIP   |                                     |                                    |   |   |   | Reporting:Level Level PST/US TRF   | Level         |
| Phone:   | 432-563-2200  |                          | Email:                            | Email: Matt@etechenv.com                                    | env.con                             |                                    |   |   |   | ADaPT Other:   | contract      |
| Project Name: 1  | Winnebago 30 State COM 501H &                                   | COM 501H & 5             | 502H Tur                          | Turn Around   |                                     |                                    |   | VNV   |   |  |               |
| Project Number:  | 12391   | 91                       | 8                                 |   |                                     |                                    |   |   |   | SI Preservative Codes  | Codes         |
| Project Location   | New Mexico  | ex <i>ico</i>            | Rush:                             |   | e<br>T                              | +                                  |   |   |   | HNO3: HN   |               |
| Sampler's Name:  | Rich Yanez  | anez                     |                                   | ato.  | ativ                                |                                    |   |   |   | H2S04: H2  |               |
| PO#  |   | 12207                    | 1000 Date.                        |   | serv                                |                                    |   |   |   | HCL: HL  |               |
| SAMPLE RECEIPT   | Temp Blank:   | $\prec$                  | Wet Ine                           |   | Pres                                |                                    |   |   |   | None: NO   |               |
| Temperature (°C):  | Ń,<br>Ś   |                          | ermometer I                       | ON COL  | ers/                                |                                    |   |   |   | NaOH: Na   |               |
| Received Intact:   | Xet No  |                          |                                   |   |                                     |                                    |   |   |   | MeOH: Me   |               |
| Cooler Custody Seals:  | Yes No WA   | Correction Factor:       |                                   |   | on                                  |                                    | 0                                       |   |   | Zn Acetate+ NaOH: Zn   | Zn            |
| Sample Custody Seals:  |   |                          | SIS:                              |   |                                     |                                    | s E30                                   |   |   | TAT starts the day received by the   | cevied by the |
| Sample Identification  | ication Matrix  | Date<br>Sampled          | Time<br>Sampled                   | Depth   | Numbe<br>Code                       | TPH 801                            | Chloride                                |   |   | Sample Comments  | iments        |
| Bottomhole-1 @ 1'  | l@1' S  | 8/3/2020                 | 1300                              |   |                                     | -                                  | × (                                     |   |   |  |               |
| Bottomhole-2 @ 1'  | 2@1' S  | 8/3/2020                 | 1305                              |   | <u> </u>                            |                                    | ×                                       |   | ·   |  |               |
| Bottomhole-3 @ 6"  | @6" S   | 8/3/2020                 | 1310                              |   |                                     | ×                                  |   |   |   |  |               |
| Bottomhole-4 @ 3"  | @ 3" S  | 8/3/2020                 | 1315                              |   | <u>→</u>                            |                                    | ×                                       |   |   |  |               |
| N Sidewall-1 @ 6"  | @6"<br>S  | 8/3/2020                 | 1320                              |   | <u> </u>                            | _                                  | ×                                       |   |   |  |               |
| E Sidewall-1 @ 6"  | @ 6" S  | 8/3/2020                 | 1325                              |   | →<br>                               |                                    | ×                                       |   |   |  |               |
| S Sidewall-1 @ 6"  | @6" S   | 8/3/2020                 | 1330                              |   | <u> </u>                            | $\dashv$                           | ×                                       |   |   |  |               |
| W Sidewall-1 @ 6"  | @6" S   | 8/3/2020                 | 1335                              |   |                                     | -                                  | × ;                                     |   |   |  |               |
| Stockpile  | S   | 8/3/2020                 | 1340                              |   |                                     | -+                                 | <  ;                                    |   |   |  |               |
|  | S   |                          |                                   |   | -                                   |                                    | ;                                       |   |   |  |               |
|  |   |                          |                                   |   |                                     |                                    |   |   |   | NORM TAT circle one : 7 day, <b>5 day</b> , Rush 3 day   | Rush 3 day    |
| Notice: Signature of this doc  | ument and relinguishment  | of samples constitu      | fac a valid nurro                 |   |                                     |                                    |   |   |   |  | ~             |
| of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incured by the cilent is affiliates and subcontractors<br>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 | le only for the cost of samp<br>e of \$75.00 will be applied to | each project and a       | sume any resp<br>charge of \$5 fr | cnase order from<br>bonsibility for any<br>or each sample s | client co<br>/ losses o<br>ubmitted | mpany to<br>ir expense<br>to Xenco | Xenco, it:<br>as incurre<br>, but not a | s affiliates and sub<br>d by the client if sunalyzed. These ter | contractors. It assi<br>ich losses are due t<br>ms will be enforced | 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 and subcontractors. It assigns standard terms and conditions 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 really the client if such losses here will be account in clicrumstances beyond the control |               |
| Relinquished by:   | (Signature)   | ,Received by: (Signature | : (Signature                      |   | Da                                  | Date/Time                          |   | Relinguished by: /Si  | d hv: /Signatur   |  |               |
| 1 July &   | Som Id  | 1<br>M                   | 2<br>6                            | Clis-   |                                     | 1000 Contraction (1990)            | 2                                       | - I ()  | J. (Oignature)  | Neceived by: (Signature)   | Date/Time     |

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Revised Date101419 Rev. 2019.1

## **Eurofins Xenco, LLC**

### Prelogin/Nonconformance Report- Sample Log-In

| Client: Etech Environmental & Safety Solution, I        | Acceptable Temperature R  | ange: 0 - 6 degC           |
|---|---------------------------|----------------------------|
| Date/ Time Received: 08.05.2020 09.05.00 AM             | Air and Metal samples Acc |                            |
| Work Order #: 669122                                    | Temperature Measuring de  | evice used : IR-8          |
| Sample Recei  | pt Checklist              | Comments                   |
| #1 *Temperature of cooler(s)?                           | 2.9                       |                            |
| #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                       | BTEX was in bulk container |
| #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: 08.05.2020

Checklist reviewed by: Jession Veamer

Jessica Kramer

Date: 08.06.2020

### Received by OCD: 12/1/2020(12:005155AMM

eurofins Environm

Project Id:

**Project Location:** 

**Contact:** 

### Environment Testing Xenco

12391

Matthew Green

New Mexico

Certificate of Analysis Summary 671321

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Winnebago 30 State COM 501H & 502H

 Date Received in Lab:
 Fri 08.28.2020 15:40

 Report Date:
 08.31.2020 17:13

Project Manager: Jessica Kramer

|                                    | Lab Id:    | 671321-001       |  |  |  |
|------------------------------------|------------|------------------|--|--|--|
| Analysis Requested                 | Field Id:  | Stockpile        |  |  |  |
| Analysis Requested                 | Depth:     |                  |  |  |  |
|                                    | Matrix:    | SOIL             |  |  |  |
|                                    | Sampled:   | 08.28.2020 10:00 |  |  |  |
| TPH by SW8015 Mod                  | Extracted: | 08.29.2020 10:00 |  |  |  |
|                                    | Analyzed:  | 08.29.2020 18:03 |  |  |  |
|                                    | Units/RL:  | mg/kg RL         |  |  |  |
| Gasoline Range Hydrocarbons (GRO)  |            | ND 50.0          |  |  |  |
| Diesel Range Organics (DRO)        |            | 113 50.0         |  |  |  |
| Motor Oil Range Hydrocarbons (MRO) |            | ND 50.0          |  |  |  |
| Total TPH                          |            | 113 50.0         |  |  |  |

BRL - Below Reporting Limit

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

Jession Vramer

Received by OCD: 12/1/2020@22005155AM

eurofins Environment Testing Xenco

# **Analytical Report 671321**

## for

# **Etech Environmental & Safety Solution, Inc**

**Project Manager: Matthew Green** 

Winnebago 30 State COM 501H & 502H

### 12391

### 08.31.2020

Collected By: Client



1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-37), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483) Received by OCD: 12/1/2020(12:005155AM

08.31.2020

Project Manager: **Matthew Green Etech Environmental & Safety Solution, Inc** P.O. Box 62228 Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): 671321 Winnebago 30 State COM 501H & 502H Project Address: New Mexico

### Matthew Green:

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 Eurofins Xenco, LLC Report Number(s) 671321. 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 Eurofins Xenco, LLC. 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. 671321 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 Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

fession kenner

Jessica Kramer Project Manager

A Small Business and Minority Company

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

eurofins Environment Testing Xenco

## Sample Cross Reference 671321

### Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id | Matrix | Date Collected   | Sample Depth | Lab Sample Id |
|-----------|--------|------------------|--------------|---------------|
| Stockpile | S      | 08.28.2020 10:00 |              | 671321-001    |

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## **CASE NARRATIVE**

Client Name: Etech Environmental & Safety Solution, Inc Project Name: Winnebago 30 State COM 501H & 502H

Project ID: 12391 Work Order Number(s): 671321 
 Report Date:
 08.31.2020

 Date Received:
 08.28.2020

### Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Environment Testing Xenco

## Etech Environmental & Safety Solution, Inc, Midland, TX

Winnebago 30 State COM 501H & 502H

| Sample Id:StockpileLab Sample Id:671321-001                         |            | Matrix<br>Date C |            | 28.2020 10:00 |        | Date Received:08                           | 3.28.2020 15:        | 40  |
|---|------------|------------------|------------|---------------|--------|--|----------------------|-----|
| Analytical Method:TPH by SW801Tech:DVMAnalyst:ARMSeq Number:3135959 | 5 Mod      | Date P           | rep: 08.2  | 29.2020 10:00 |        | Prep Method: SW<br>% Moisture:<br>Basis: W | W8015P<br>Tet Weight |     |
| Parameter   | Cas Number | r Result         | RL         |               | Units  | Analysis Date                              | Flag                 | Dil |
| Gasoline Range Hydrocarbons (GRO)                                   | PHC610     | ND               | 50.0       |               | mg/kg  | 08.29.2020 18:03                           | U                    | 1   |
| Diesel Range Organics (DRO)   | C10C28DRO  | 113              | 50.0       |               | mg/kg  | 08.29.2020 18:03                           |                      | 1   |
| Motor Oil Range Hydrocarbons (MRO)                                  | PHCG2835   | ND               | 50.0       |               | mg/kg  | 08.29.2020 18:03                           | U                    | 1   |
| Total TPH   | PHC635     | 113              | 50.0       |               | mg/kg  | 08.29.2020 18:03                           |                      | 1   |
| Surrogate   |            | Cas Number       | % Recovery | Units         | Limits | Analysis Dat                               | e Flag               |     |
| 1-Chlorooctane  |            | 111-85-3         | 92         | %             | 70-130 | 08.29.2020 18:                             | 03                   |     |
| o-Terphenyl   |            | 84-15-1          | 114        | %             | 70-130 | 08.29.2020 18:                             | 03                   |     |

#### Environment Testing Xenco

# **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    |                  |                            |                                 |
|-----------------------------------|--------------------|------------------|----------------------------|---------------------------------|
| <b>RL</b> Reporting Limit         |                    |                  |                            |                                 |
| MDL Method Detection Limit        | SDL Sample De      | tection Limit    | LOD Limit of Detection     |                                 |
| PQL Practical Quantitation Limit  | MQL Method Qu      | antitation Limit | LOQ Limit of Quantitatio   | n                               |
| 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/Labo | ratory Control Sample Duplicate |
| MD/SD Method Duplicate/Samp       | le 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

### Received by OCD: 12/1/2020/12:00:515 AMA

Xenco

**Environment Testing** 

🔅 eurofins

QC Summary 671321

### **Etech Environmental & Safety Solution, Inc**

Winnebago 30 State COM 501H & 502H

| Analytical Method:       | TPH by S  | W8015 M      | od              |               |             |                |              |        | Pi   | rep Meth     | od: SW    | 8015P            |      |
|--------------------------|-----------|--------------|-----------------|---------------|-------------|----------------|--------------|--------|------|--------------|-----------|------------------|------|
| Seq Number:              | 3135959   |              |                 |               | Matrix:     | Solid          |              |        |      | Date Pr      | ep: 08.2  | 29.2020          |      |
| MB Sample Id:            | 7710472-1 | -BLK         |                 | LCS San       | nple Id:    | 7710472-       | 1-BKS        |        | LCS  | D Sample     | e Id: 771 | 0472-1-BSD       |      |
| Parameter                |           | MB<br>Result | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units     | Analysis<br>Date | Flag |
| Gasoline Range Hydrocarb | ons (GRO) | < 50.0       | 1000            | 934           | 93          | 886            | 89           | 70-130 | 5    | 20           | mg/kg     | 08.29.2020 11:14 |      |
| Diesel Range Organics    | (DRO)     | < 50.0       | 1000            | 1140          | 114         | 1010           | 101          | 70-130 | 12   | 20           | mg/kg     | 08.29.2020 11:14 |      |
| Surrogate                |           | MB<br>%Rec   | MB<br>Flag      |               | CS<br>Rec   | LCS<br>Flag    | LCSI<br>%Re  |        |      | imits        | Units     | Analysis<br>Date |      |
| 1-Chlorooctane           |           | 74           |                 | 8             | 39          |                | 85           |        | 70   | -130         | %         | 08.29.2020 11:14 |      |
| o-Terphenyl              |           | 89           |                 | 1             | 11          |                | 102          |        | 70   | -130         | %         | 08.29.2020 11:14 |      |

| Analytical Method:       | TPH by SW8015 Mod |               |               | Prep Method: | SW8           | 3015P            |      |
|--------------------------|-------------------|---------------|---------------|--------------|---------------|------------------|------|
| Seq Number:              | 3135959           | Matrix:       | Solid         | Date Prep:   | 08.2          | 9.2020           |      |
|                          |                   | MB Sample Id: | 7710472-1-BLK |              |               |                  |      |
| Parameter                |                   | MB<br>Result  |               | ι            | J <b>nits</b> | Analysis<br>Date | Flag |
| Motor Oil Range Hydrocar | bons (MRO)        | ND            |               | m            | ng/kg         | 08.29.2020 10:50 |      |

| Analytical Method:       | TPH by SV | W8015 M          | od              |              |            |               |             |        | P    | rep Meth     | od: SW    | 8015P            |      |
|--------------------------|-----------|------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|-----------|------------------|------|
| Seq Number:              | 3135959   |                  |                 | ]            | Matrix:    | Soil          |             |        |      | Date Pr      | ep: 08.2  | 29.2020          |      |
| Parent Sample Id:        | 671219-00 | 1                |                 | MS San       | nple Id:   | 671219-00     | 01 S        |        | MS   | D Sample     | e Id: 671 | 219-001 SD       |      |
| Parameter                |           | Parent<br>Result | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units     | Analysis<br>Date | Flag |
| Gasoline Range Hydrocarb | ons (GRO) | <49.9            | 998             | 969          | 97         | 1010          | 101         | 70-130 | 4    | 20           | mg/kg     | 08.30.2020 10:58 |      |
| Diesel Range Organics    | (DRO)     | <49.9            | 998             | 1210         | 121        | 1200          | 120         | 70-130 | 1    | 20           | mg/kg     | 08.30.2020 10:58 |      |
| Surrogate                |           |                  |                 |              | 1S<br>Rec  | MS<br>Flag    | MSD<br>%Re  |        |      | imits        | Units     | Analysis<br>Date |      |
| 1-Chlorooctane           |           |                  |                 | 1            | 07         |               | 111         |        | 70   | -130         | %         | 08.30.2020 10:58 |      |
| o-Terphenyl              |           |                  |                 | 1            | 24         |               | 125         |        | 70   | -130         | %         | 08.30.2020 10:58 |      |

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $\label{eq:c-A} \begin{array}{l} [D] = 100^{*}(C\text{-A}) \ / \ B \\ RPD = 200^{*} \ | \ (C\text{-E}) \ / \ (C\text{+E}) \ | \\ [D] = 100^{*} \ (C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

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

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

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Page 8 of 10

| Project Manager:  | Matt Green  |  | D                        |                          |                          |                          |                              |                     | www.xenco.com                | <u>.com</u> Page      | - of  |
|---|---|--|--------------------------|--------------------------|--------------------------|--------------------------|------------------------------|---------------------|------------------------------|-----------------------|---|
|   | Etech Environmental & Safety Solutions. Inc         | ntal & Safetv Sol                            |                          | Company Name:            | Centennial               |                          |                              |                     | Work Or                      | Work Order Comments   | ]   |
| Address:  | PO Box 62228  |  |                          | Address                  |                          |                          |                              | State of Project:   | State of Project:            |                       | КС .2 претила   |
| e ZIP:  | Midland, Texas 79711                                | )711   | 0                        | City, State ZIP:         |                          |                          |                              | Reporting:Level I   |                              |                       |   |
|   | 432-563-2200  |  | Email: N                 | Email: Matt@etechenv.com | .com                     |                          |                              | Deliverables: EDD   |                              | ADaPT                 | Other: contract   |
| Project Name:   | Winnebago 30 State COM 501H & 502H                  | ate COM 501H 8                               |                          | Turn Around              |                          |                          | ANALYSIS RECUEST             |                     |                              |                       |   |
| lä.   |   | 12391  | 8                        | 5<br>                    |                          |                          |                              |                     |                              | LIND9.                |   |
| Project Location  | Nev   | New Mexico                                   | Rush:                    |                          |                          |                          |                              |                     |                              |                       | 2   |
| Sampler's Name:   | Wesh  | Wesley Desilets                              | Due Date:                |                          |                          |                          |                              |                     |                              | HZSU4: HZ             | N   |
| PO#:  | Â   |  |                          |                          |                          |                          |                              |                     |                              | HCL: HL               |   |
| SAMPLE RECEIPT  |   | Blank: Yes No                                | Wet Ice: (               | K<br>K<br>S<br>S/Pr      |                          |                          |                              |                     |                              | NOTICE. NO            |   |
| Temperature (°C):   | 1.9.1.5   | 11.000                                       | Thermometer II           |                          |                          |                          |                              |                     |                              | MoOH: Mo              | , <u>ч</u>  |
| Received Intact:  | (Yes No   |  | 18-8                     |                          |                          |                          |                              |                     |                              | Zn Acetate            | 7n Acetate+ NaOH· 7n  |
| Cooler Custody Seals  | Yes No  | UNA Correction Factor:                       | Factor:                  | 10.4<br>C                | 3                        | 300                      |                              |                     |                              | -                     |   |
| Sample Custody Seals  | Yes No  | (N/A) Total Containers:                      | ainers:                  | er of                    | ·                        | les E:                   |                              |                     |                              | IAI start.<br>lab, if | IAI starts the day recevied by the lab, if received by 4:30pm |
| Sample Identification   |   | Matrix Date<br>Sampled                       | Time<br>Sampled          | Depth<br>Numb            | Code<br>TPH 80<br>BTEX 1 | Chloric                  |                              |                     |                              | San                   | Sample Comments   |
| Stockpile   | ē   | S 8/28/2020                                  | 1000                     |                          | ×                        |                          |                              |                     |                              |                       |   |
|   |   |  |                          |                          |                          |                          |                              |                     |                              |                       |   |
|   |   |  |                          |                          |                          |                          |                              |                     |                              |                       |   |
|   |   |  |                          |                          |                          |                          |                              |                     |                              |                       |   |
|   |   |  |                          |                          | -                        |                          |                              |                     |                              |                       |   |
|   |   |  |                          |                          |                          |                          |                              |                     |                              |                       |   |
|   |   |  |                          |                          |                          |                          |                              |                     |                              |                       |   |
|   |   |  |                          |                          |                          |                          |                              |                     | NORM TAT circle one: 7 day,  | cle one:7 day         | /, <b>5 day</b> , Rush 3 day                                  |
| 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 expresses incurred by the test is under the standard terms and conditions of service. | cument and relinquishr<br>able only for the cost of | nent of samples cons<br>samples and shall no | titutes a valid purch    | ase order from clie      | nt company to Xenc       | o, its affiliates and su | ubcontractors. It assigr     | is standard terms a | nd conditions                |                       |   |
| 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.  | ge of \$75.00 will be app                           | lied to each project ar                      | 1d a charge of \$5 for   | each sample subr         | litted to Xenco, but     | not analyzed. These (    | terms will be enforced u     | nless previously ne | nig die control<br>gotiated. |                       |   |
| Relinquished by: (Signature)  | (Signature)   | Received                                     | Received by: (Signature) | •                        | Date/Time                | Relinqu                  | Relinquished by: (Signature) | ure) F              | Received by: (Signature)     | inature)              | Date/Time   |
| 1 Jules Ille  | <b>A</b>  | C  | ł                        | 2-2                      | 8-23-20 15:40            | 40 <sup>2</sup>          |                              |                     |                              |                       |   |
| 5   |   |  |                          |                          |                          | 4                        |                              |                     |                              |                       |   |
|   |   |  |                          |                          |                          | 2                        |                              |                     |                              |                       |   |

Revised Date101419 Rev. 2019.1

| Page | <b>56</b> | of | <b>70</b> |
|------|-----------|----|-----------|
|------|-----------|----|-----------|



Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334 Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Chain of Custody

Work Order No: (17) 37

Page 9 of 10

Final 1.000

## **Eurofins Xenco, LLC**

### Prelogin/Nonconformance Report- Sample Log-In

| Client: Etech Environmental & Safety Solution, I<br>Date/ Time Received: 08.28.2020 03.40.00 PM<br>Work Order #: 671321 | Acceptable Temperature Range: 0 - 6 degC<br>Air and Metal samples Acceptable Range: Ambient<br>Temperature Measuring device used : IR-8 |
|---|---|
| Sample Recei  | pt Checklist Comments   |
| #1 *Temperature of cooler(s)?   | 1.5   |
| #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? #17 Subcontract of sample(s)?

#18 Water VOC samples have zero headspace?

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Allison Johnson

Date: 08.28.2020

Yes

N/A

N/A

Checklist reviewed by: Jession Veamer

Jessica Kramer

Date: 08.28.2020



State of New Mexico Energy Minerals and Natural Resources Department

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

| Incident ID    |       |
|----------------|-------|
| District RP    |       |
| Facility ID    | 39379 |
| Application ID |       |

# **Release Notification**

### **Responsible Party**

| Responsible Party: Centennial Resource Development                       | OGRID: 372165                   |
|--|---------------------------------|
| Contact Name: Jamon Hohensee   | Contact Telephone: 432-241-4283 |
| Contact email: jamon.hohensee@cdevinc.com                                | Incident #                      |
| Contact mailing address: 500 W Illinois Ave Suite 500, Midland TX, 79705 |                                 |

### Location of Release Source

Latitude 32.35624\_

Longitude -103.40881\_\_\_\_\_ (NAD 83 in decimal degrees to 5 decimal places)

| Site Name: Winnebago CTB           | Site Type: Tank Battery |
|------------------------------------|-------------------------|
| Date Release Discovered: 4/24/2020 | API# 30-025-46403       |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| N           | 30      | 22S      | 35E   | Lea    |

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)

| 🛛 Crude Oil      | Volume Released (bbls)6  | Volume Recovered (bbls)5                |
|------------------|--|---|
| Produced Water   | Volume Released (bbls)54   | Volume Recovered (bbls)50               |
|                  | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No                                  |
| Condensate       | Volume Released (bbls)   | Volume Recovered (bbls)                 |
| Natural Gas      | Volume Released (Mcf)  | Volume Recovered (Mcf)                  |
| Other (describe) | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units) |
| H2S Scavenger    |  |   |
| Cause of Dalasse |  | 1                                       |

Cause of Release

A dump valve on the separator had stuck open overloading the Gunbarrel to the point where produced water and oil spilled from the top into lined containment. The fluid in the containment measured 30'x45' with an average 3" depth.

| 02   | Form C- | 141 |
|------|---------|-----|
| 9 01 | Page 2  |     |
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| ag   |         |     |

| State of New Mexico       |
|---------------------------|
| Oil Conservation Division |

| Incident ID    |   |
|----------------|---|
| District RP    |   |
| Facility ID    | in the second |
| Application ID |   |

| Was this a major<br>release as defined by<br>19.15.29.7(A) NMAC? | If YES, for what reason(s) does the responsible party consider this a major release?  |
|--|---|
| 🗌 Yes 🖾 No   |   |
| If YES, was immediate no   | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |

## **Initial Response**

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

 $\boxtimes$  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:

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.

Date: 5/1/2020

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

| Printed Name: Jamon Hohensee | , Titl           | tle: Sr. Environmental Analyst |  |
|------------------------------|------------------|--------------------------------|--|
|                              | $\boldsymbol{M}$ |                                |  |

Signature: \_\_\_\_\_ Der /-/. have

email: jamon.hohensee@cdevinc.com

Telephone: 432-241-4283

**OCD** Only

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

Released to Imaging: 2/25/2021 7:53:31 AM

🖹 Form C-141 Page 60 of age 3

State of New Mexico Oil Conservation Division

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

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

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

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

Received by OCD:-12/1/2020/12:200:31 the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation an. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan nd methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

| Form C-141   | State of New Mexico   |  |  |
|--|---|--|--|
|  | Oil Conservation Division   | Incident ID  |  |
| Page 4   |   | District RP  |  |
| Page   |   | Facility ID  |  |
| Pa   |   | Application ID   |  |
| regulations all operators a public health or the enviro<br>failed to adequately invest | formation given above is true and complete to the best o<br>are required to report and/or file certain release notification<br>onment. The acceptance of a C-141 report by the OCD d<br>tigate and remediate contamination that pose a threat to g<br>e of a C-141 report does not relieve the operator of respon | ons and perform corrective actions for rele<br>loes not relieve the operator of liability sh<br>groundwater, surface water, human health | eases which may endanger<br>ould their operations have<br>or the environment. In |
| Printed Name:  | Title   | e:   |  |
| Signature:   | Date  | e:   |  |
| email:   | Tele  | ephone:  |  |
| OCD Only<br>Received by:   |   | Date:  |  |

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State of New Mexico Oil Conservation Division

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

# **Remediation Plan**

| Remediation Plan Checklist: Each of the following items must b  | e included in the plan.  |  |  |
|---|--|--|--|
| <ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation poin</li> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.</li> <li>Proposed schedule for remediation (note if remediation plan times)</li> </ul>   | 12(C)(4) NMAC  |  |  |
| Deferral Requests Only: Each of the following items must be con   | afirmed as part of any request for deferral of remediation.  |  |  |
| Contamination must be in areas immediately under or around pr<br>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 comple<br>rules and regulations all operators are required to report and/or file of<br>which may endanger public health or the environment. The accepta<br>liability should their operations have failed to adequately investigate<br>surface water, human health or the environment. In addition, OCD<br>responsibility for compliance with any other federal, state, or local l | ertain release notifications and perform corrective actions for releases<br>nee of a C-141 report by the OCD does not relieve the operator of<br>and remediate contamination that pose a threat to groundwater,<br>acceptance of a C-141 report does not relieve the operator of |  |  |
| Printed Name:   |  |  |  |
| Signature:  | Date:  |  |  |
| email: Telephone:   |  |  |  |
| OCD Only  |  |  |  |
| Received by:  | Date:  |  |  |
| Approved Approved with Attached Conditions of   | Approval Denied Deferral Approved  |  |  |
| Signature:  | Date:  |  |  |

Porm C-141

State of New Mexico Oil Conservation Division

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

# Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

Description of remediation activities

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

| Printed Name:  | Title:     |                             |
|--|------------|-----------------------------|
| Signature:   | Date:      |                             |
| email:   | Telephone: |                             |
|  |            |                             |
| OCD Only   |            |                             |
| Received by:   | Date:      |                             |
| emediate contamination that poses a threat to g<br>arty of compliance with any other federal, stat |            | estigate and<br>responsible |
| losure Approved by:  |            |                             |
| rinted Name:   | Title:     |                             |
|  | 7          | ]                           |
| 00<br>A  |            |                             |
| Received by OCD:   |            |                             |
| ece.   |            |                             |



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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    | nRM2012535502 |
|----------------|---------------|
| District RP    |               |
| Facility ID    | 39379         |
| Application ID |               |

# **Release Notification**

### **Responsible Party**

| Responsible Party: Centennial Resource Development                       | OGRID: 372165                   |
|--|---------------------------------|
| Contact Name: Jamon Hohensee   | Contact Telephone: 432-241-4283 |
| Contact email: jamon.hohensee@cdevinc.com                                | Incident #                      |
| Contact mailing address: 500 W Illinois Ave Suite 500, Midland TX, 79705 |                                 |

### Location of Release Source

Latitude 32.35624\_\_\_

Longitude -103.40881 (NAD 83 in decimal degrees to 5 decimal places)

| Site Name: Winnebago CTB           | Site Type: Tank Battery |
|------------------------------------|-------------------------|
| Date Release Discovered: 4/24/2020 | API# 30-025-46403       |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| N           | 30      | 228      | 35E   | Lea    |

Surface Owner: State Federal Tribal Private (Name:

### Nature and Volume of Release

| Matc             | rial(s) Released (Select all that apply and attach calculations or speci       | ific justification for the volumes provided below) |
|------------------|--|--|
| Crude Oil        | Volume Released (bbls)6  | Volume Recovered (bbls)5                           |
| Produced Water   | Volume Released (bbls)54   | Volume Recovered (bbls)50                          |
|                  | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No   |
| Condensate       | Volume Released (bbls)   | Volume Recovered (bbls)                            |
| Natural Gas      | Volume Released (Mcf)  | Volume Recovered (Mcf)                             |
| Other (describe) | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)            |
| H2S Scavenger    |  |  |

### Cause of Release

A dump value on the separator had stuck open overloading the Gunbarrel to the point where produced water and oil spilled from the top into lined containment. The fluid in the containment measured 30'x45' with an average 3" depth.

| 2 |                 |
|---|-----------------|
| 5 | Received by OCI |
| 2 | EForm C-141     |
| 0 | ○ Page 2        |
| ŝ | วลัย            |
| 2 | 2               |

D: 11/30/2020 12:55:15 PM State of New Mexico **Oil Conservation Division** 

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

| Was this a major<br>release as defined by<br>19.15.29.7(A) NMAC? | If YES, for what reason(s) does the responsible party consider this a major release?  |  |
|--|---|--|
| Yes 🛛 No   |   |  |
| f YES, was immediate n   | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |  |
|  | save given to the OCD? By whom? To whom? when and by what means (phone, email, etc)?  |  |

### **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:

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.

| Signature: A / -/. h~             | Date: 5/1/              |
|-----------------------------------|-------------------------|
| email: jamon.hohensee@cdevinc.com | Telephone: 432-241-4283 |
| OCD Only                          |                         |
| Received by:                      | Date:                   |
|                                   |                         |

Date:

Released to Imaging: 2/25/2021 7:53:31 AM

| Incident ID    |  |
|----------------|--|
| 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?  | 78 (ft bgs) |
|---|--|-------------|
|   | Did this release impact groundwater or surface water?  | Yes No      |
| the second se | Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?   | Yes No      |
|   | Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?   | □ Yes 🖾 No  |
|   | Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?   | 🗌 Yes 🖾 No  |
|   | Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used<br>by less than five households for domestic or stock watering purposes? | 🗌 Yes 🗹 No  |
|   | Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?   | 🗌 Yes 🖾 No  |
|   | Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?  | 🗌 Yes 🖾 No  |
|   | Are the lateral extents of the release within 300 feet of a wetland?   | 🗌 Yes 🖾 No  |
|   | Are the lateral extents of the release overlying a subsurface mine?  | 🗌 Yes 🛛 No  |
|   | Are the lateral extents of the release overlying an unstable area such as karst geology?   | 🗆 Yes 🕅 No  |
|   | Are the lateral extents of the release within a 100-year floodplain?   | Ves No      |
| 1   | Did the release impact areas not on an exploration, development, production, or storage site?  | 🗆 Yes 🕅 No  |

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

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

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

the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation lan. 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  $\exists$  9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

<sup>D</sup>age 66 of 70

|   | 30/2020 12:55:15 Rale of New Me  | XICO            |  | Page  |
|---|--|-----------------|--|---|
| ige 4   | Oil Conservation D   | ivision         | Incident ID  |   |
|   |  | 1131011         | District RP  |   |
|   |  |                 | Facility ID  |   |
|   |  |                 | Application ID   |   |
| public health or the en<br>failed to adequately in<br>addition, OCD accepts<br>and/or regulations.<br>Printed Name: | e information given above is true and comp<br>rs are required to report and/or file certain r<br>vironment. The acceptance of a C-141 report<br>vestigate and remediate contamination that<br>ance of a C-141 report does not relieve the of<br>$\overline{AMMN}$ $Hahensee Sample \overline{Ahensee}\overline{Ahensee} \overline{Ahensee}\overline{Ahensee} \overline{Ahensee}$ | Title:<br>Date: | the operator of liability should their<br>inface water, human health or the env<br>inpliance with any other federal, state | h may endanger<br>operations have<br>ironment. In<br>c, or local laws |
| Received by: Cha  | d Hensley  | Date:           | 2/24/2021  |   |

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| Received by OCD: | 1 |
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| Serage 5         |   |

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

# **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 po   |   |
| Estimated volume of material to be remediated  | ints  |
| Closure criteria is to Table 1 specifications subject to 19.15.2   |   |
| Proposed schedule for remediation (note if remediation plan t  | meline is more than 90 days OCD approval is required)                     |
|  | incluie is more ular 50 days OCD approval is required)                    |
|  |   |
| Deferral Requests Only: Each of the following items must be c  | onfirmed as part of any request for deferral of remediation.              |
| Contamination must be in areas immediately under or around deconstruction.   | production equipment where remediation could cause a major facility       |
| Extents of contamination must be fully delineated.   |   |
| Contamination does not cause an imminent risk to human heal  | th, the environment, or groundwater.                                      |
| Thereby and the state of the st |   |
| Thereby certify that the information given above is true and complete  | ete to the best of my knowledge and understand that pursuant to OCD       |
| which may endenger public health or the environment. The   | certain release notifications and perform corrective actions for releases |
| liability should their operations have failed to adequately investiga  | ance of a C-141 report by the OCD does not relieve the operator of        |
| surface water, human health or the environment. In addition, OCL   | acceptance of a C. 141 report does not relieve the events of              |
| responsibility for compliance with any other federal, state, or local  | laws and/or regulations   |
| 1/1  |   |
| Printed Name: <u>Samon Hohense</u>   | _ Title: So. Environmental Analyst  |
| Signature:   | Date: 2-24-21   |
| email: jamon. hohensede, chevine. com  |   |
| email: jaman habenserter capillar cam  |   |
|  | Telephone: $\frac{132 - 241 - 4283}{3}$                                   |
|  | Telephone:  |
|  | Telephone:222414283   |
| OCD Only   | Telephone: <u>432-241-4283</u>  |
| OCD Only   |   |
|  | Telephone: <u>432-241-4283</u>  |
| OCD Only Received by:  | Date:   |
| OCD Only   | Date:   |
| OCD Only Received by:  | Date:   |
| OCD Only Received by: Approved I Approved with Attached Conditions of  | Date:<br>Approval   |
| OCD Only Received by:  | Date:   |



State of New Mexico Oil Conservation Division

| Incident ID    |       |
|----------------|-------|
| District RP    |       |
| Facility ID    | 39379 |
| Application ID |       |

# Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water,

human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

| Printed Name: <u>Samon Hohensee</u>  | Title: Environmental Anolyst   |  |  |  |  |  |  |
|--|--------------------------------|--|--|--|--|--|--|
| Signature:   | _ Date: <u>//-30 - 20</u>      |  |  |  |  |  |  |
| email: jamon. hohensec @ cdeving, com  | Telephone: <u>432-241-4283</u> |  |  |  |  |  |  |
|  |                                |  |  |  |  |  |  |
| OCD Only   |                                |  |  |  |  |  |  |
| Received by: Chad Hensley  | Date:                          |  |  |  |  |  |  |
| Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and<br>mediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible<br>arty of compliance with any other federal, state, or local laws and/or regulations. |                                |  |  |  |  |  |  |
| losure Approved by:  | Date: 02/24/2021               |  |  |  |  |  |  |
| rinted Name: Chad Hensley  | Title:                         |  |  |  |  |  |  |

District I 1625 N. French Dr., Hobbs, NM 88240

District II

District IV

Phone:(575) 393-6161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

District III 1000 Rio Brazos Rd., Aztec, NM 87410

| CONDITIO | NS |
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Action 11360

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

### CONDITIONS OF APPROVAL

| Operator:                      |                              |                 | OGRID: | Action Number: | Action Type: |
|--------------------------------|------------------------------|-----------------|--------|----------------|--------------|
| CENTENNIAL RESOURCE PRODUCTION | 1001 17th Street, Suite 1800 | Denver, CO80202 | 372165 | 11360          | C-141        |
|                                |                              |                 |        |                |              |
| OCD Reviewer                   |                              | Condition       |        |                |              |
| chensley                       |                              | None            |        |                |              |